

PM SHRI KENDRIYA VIDYALAYA  
RATLAM

**WINTER VACATION**

HOME WORK

2025-26

CLASS -8A

**PM SHRI KENDRIYA VIDYALAYA RATLAM**

**Class 8 – English Homework**

Instructions: Complete the following work neatly in your English notebook / homework file.

Revise thoroughly for the upcoming examination.

**1. Reading Skills**

Do 2 Unseen Passages.

Read the passages carefully.

Answer all the questions in complete sentences.

Pay attention to vocabulary and grammar.

**2. Writing Skills**

**(a) Formal Letters – Any Two**

Practice writing 2 formal letters from the following types:

Letter to the Editor

Complaint Letter

Follow the correct format:

sender's address,

date,

receiver's address,

subject,

salutation,

body, closing, and

signature.

**(b) Report Writing – Any Two**

Write 2 reports based on:

School event

- Cultural programme
- Sports Day / Annual Day

Use proper heading, byline, date, place, and factual details.

**3. Literature**

Learn all the 3,4 units/chapters that are coming in the examination.

Revise:

Word meanings

Short and long answers

Extract-based questions

Grammar related to the lessons

Note:

Work should be neat and well-presented.

Maintain proper margins.

मृतकार्य कक्षा आठ

प्रश्न 1 " एक टोकरी भर मिट्टी" कहानी का सारांश लिखिए।

प्रश्न 2 " मरु बांधी" कहानी का अर्थ लिखिए।

प्रश्न 3 तीन दिन के अवकाश हेतु प्राप्तार्थ मरुबांधी को एक पत्र लिखिए।

प्रश्न 4 सत्य का महत्व बताते हुए अपने मित्र को एक पत्र लिखिए।

प्रश्न 5 " दोन दिवस आसोजन" अथवा "जवानी " पर एक अनुच्छेद लिखिए।

**PM SHRI KENDRIYA VIDYALAYA  
WINTER BREAK HOLIDAY HOMEWORK**

**CHAPTER : 4**

1. The football ground is shaped like a parallelogram. The diagonals intersect at point O. Which of these is true about point O?  
a) O is equidistant from all four vertices  
b) O is the midpoint of each diagonal  
c) O lies on only one diagonal  
d) O divides one diagonal in 2:1 ratio
2. A square clock is hung in such a way that one diagonal is vertical. What is the angle between its diagonals?  
a)  $45^\circ$       b)  $60^\circ$       c)  $90^\circ$       d)  $120^\circ$
3. The support structure of a flyover is in the shape of a quadrilateral with one pair of opposite sides parallel. The structure is a:  
a) Kite      b) Trapezium      c) Rhombus      d) Rectangle
4. When a rectangular sheet is folded along its diagonal, two triangles are formed. These triangles are:  
a) Scalene      b) Isosceles      c) Right-angled      d) Equilateral

**2 MARKS QUESTIONS**

1. Draw a rhombus NUTS such that one side is 4cm and  $m\angle N = 75^\circ$
2. The four angles of a quadrilateral are in the ratio 3:5:7:9. Find the angles.
3. ABCD is a parallelogram in which  $\angle A = 110^\circ$ . Find the measures of the angles B, C, D respectively.

**3 MARKS QUESTIONS**

1. Find the measure of all the angles of the quadrilateral obtained by joining two equilateral triangles with sides 5cm. Name the quadrilateral formed and write a property that make it different from square.

Q2. Is it possible to construct a quadrilateral with three angles equal to  $90^\circ$  and the fourth angle not equal to  $90^\circ$ ? Justify your answer why and why not?

**CASE BASED QUESTIONS (4 MARKS )**

Q.1 A land surveyor marks a plot in the form of a parallelogram (ABCD). The adjacent sides measure 5 m and 4 m, and the angle between them is  $30^\circ$ .

- (a) Find the measures of all the angles of the parallelogram.
- (b) Write the length of the sides AB and BC with justification.

**CHAPTER : 5**

Q1. Without computing them, find out which of the following arithmetic expressions are even.

- (i)  $567 + 262$       (ii)  $19405 - 2130$       (iii)  $37503 + 28307$       (iv)  $69312 - 28323$

Q2. A number  $39x52$  is divisible by 3, where 'x' is a single digit. What is the maximum value of 'x'?

- (i) 9      (ii) 8      (iii) 0      (iv) 7

Q3. A number  $48xy7$  is divisible by 9. What is the difference of maximum value of 'x' and

minimum value of 'y'?

- (i) 8                      (ii) 9                      (iii) 1                      (iv) 3

Q4. Anuradha uses a 6-digit pin for her suitcase, which is 987342; its digital root is-

- (i) 3                      (ii) 33                      (iii) 9                      (iv) 6

Q5. The sum of 5 consecutive natural numbers is 35. What is the largest number?

- (i) 6                      (ii) 10                      (iii) 11                      (iv) 9

**(VERY SHORT ANSWER- 2 MARKS EACH)**

Q6 A shopkeeper gives lucky draw coupons numbered 234, 345 and 456 to three customers. By using divisibility rules, check which of these numbers is divisible by 9. (Show working)

Q7 The sum of 4 consecutive numbers is 30, what are these numbers.

**(SHORT ANSWER TYPE- 3 MARKS EACH)**

Q8 Find three consecutive numbers such that the first number is a multiple of 2, the second number is a multiple of 3, and the third number is a multiple of 4. Are there more such numbers? How often do they occur?

Q9 A railway ticket number is 5483.

The checker uses digital roots to quickly check divisibility.

|     |                                                               |
|-----|---------------------------------------------------------------|
| i.  | Find the digital root of 5483.                                |
| ii. | Using the digital root, check whether 5483 is divisible by 9. |

**(LONG ANSWER TYPE)**

Q10 Mr. Suryakanta received electricity bills for four months, May, June, July and August. The bill amount is: 5832, 5745, 6180, and 5233, respectively.

- (a) Find the digital root of each bill number. (2)  
(b) Using the pattern, tell which bills are divisible by 9. (1)  
(c) Give one reason why digital roots are useful in checking arithmetic calculations. (2)

**CHAPTER : 6**

Q.1 A shopkeeper calculates the total cost of 8 packets, each costing ₹45. If he gets 2 more packets for free, what is the total cost?

- a) ₹360                      b) ₹460                      c) ₹400                      d) ₹360 + ₹90

Q.2 You buy a rectangular plot of land with length  $(x + 8)$  metres and breadth  $(x - 2)$  metres. What is its area?

- a)  $x^2 + 8x - 2x$                       b)  $x^2 + 6x - 16$                       c)  $x^2 + 10x - 16$                       d)  $x^2 - 16$

Q.3 If a farmer has  $x$  mango trees and each yields 20 mangoes, which expression gives the total number of mangoes?

- a)  $x + 20$                       b)  $x \times 20$                       c)  $x - 20$                       d)  $x \div 20$

Q.4 A baker has 100 cookies and packs them into bags of 8 cookies each. How many full bags will

he get?

- a) 11                      b) 12                      c) 13                      d) 14

### SECTION -B

Q.5 A painter needs to paint two walls: one is 12 meters wide, the other is 15 meters wide. If the cost per meter is ₹25, calculate the total cost using the distributive property, not direct addition.

Q.6 During a trip, students travel 50 km by bus and 30 km by train each day for 5 days. Use the distributive property to find the total distance travelled. Show the steps.

Q.7 A school has 5 sections, each with 32 boys and 28 girls. Use distributive property to find the total number of students in the school. Show working.

### SECTION -C

Q.8 A farmer wants to fence a rectangular field with length  $(2x + 4)$  m and breadth  $(x - 2)$  m. Find the area and perimeter using algebraic formulae, and explain each step

Q.9 If you add ₹100 to both price and quantity, how does the distributive property help you quickly find the total price?

### SECTION -D

Q.10 A school plans a trip where students will travel by bus and train. The cost per student for the bus ride is ₹450 and for the train ride is ₹700. If the number of students going on the trip is represented by 'n', answer the following:

- (a) Use distributive property to write an expression for the total transport cost for all students.
- (b) Calculate the total cost for 40 students.
- (c) Explain why the distributive property is helpful in budgeting and planning trips, especially when the number of students changes.

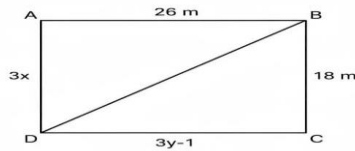
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Q.1 In a school park, a gardener is designing a flower bed in the shape of a quadrilateral. The shape has two opposite sides placed parallel to each other, while the other two sides are slanting but not parallel. To make the design look neat, he also marks one corner angle as  $110^\circ$ .



- (a) Name the quadrilateral if two of its adjacent angles are  $110^\circ$  and  $70^\circ$ , also find the sum of remaining two angles.
- (b) If one of the remaining angles is  $75^\circ$ , find the measure of the fourth angle.
- (a) opposite angle.

Q.2 A farmer wants to build a parallelogram-shaped plot of land for fencing purposes. He places four wooden poles at the corners to form the shape. The length of one pair of opposite sides of the plot is 26 meters and  $(3y-1)$  meters and the length of another pair of opposite sides are  $3x$  meters and 18 meters.



(a) By using the property of parallelogram, find  $x$  and  $y$ .

(b) If one of the angles at a corner is  $110^\circ$ , what is the measure of remaining three angles?

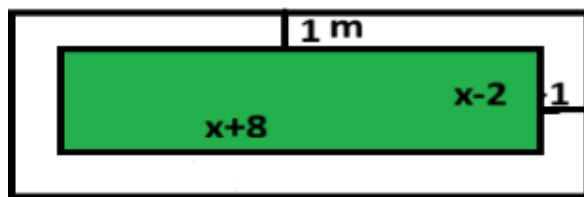
Q3. Aman is designing a number puzzle. He asks players to find a **3-digit number** such that:

- The number is divisible by **9**.
- The digits of the number are in **ascending order**.
- The sum of the digits is **18**.

a) What rule helps us check if a number is divisible by 9?

b) Find the possible 3-digit even number that satisfies all the conditions.

Q4 A rectangular garden has length  $(x + 8)$  meters and breadth  $(x - 2)$  meters. If both the length and breadth are increased by 1 meter. Referring the data answer the following questions.



- a) Find the area of the original rectangular garden. 1M
- b) What is the area of the current rectangular garden after increase of 1m ? 2M
- c) How much area increased ? 1M

Q5 A factory produces refrigerators in two sections: section A produces  $(3x+5)$  refrigerators and section B produces  $(5x-2)$  refrigerators daily.

- d) What is the total production of refrigerators in the month of January? 2M

Calculate total production of refrigerators for  $x=10$  in that month.

Q4. Mary has some number cards. She asked John to choose such numbers from number cards that have remainder 3 when divided by 5.

i) Write two such numbers.

ii) Which algebraic expressions capture all such numbers?

- a)  $3k+5$
- b)  $3k-5$
- c)  $\frac{3k}{5}$
- d)  $5k+3$



**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – VI**  
**SOCIAL SCIENCE**

1. **What are the different ways through which we can judiciously use paper in the classrooms and offices of your school?**
2. **Let us suppose that you study in a village school. The school is located next to a highway and students find it difficult to cross the road when they come to school or leave at the end of the day. What are the options to solve this issue? Which institutions in the Panchayati Raj can help you? What can the students do?**
3. **What is the primary sector? How is it different from the secondary sector? Give two examples.**
4. **Locate and label the continents and oceans on the outline map of the world and paste in your notebook.**
5. **Let us go back to our initial trip from Chhota Nagpur to Prayagraj and Almora. Describe the three landforms you came across on the way.**
6. **What are Panchayati Raj institutions? What are their functions?**
7. **How are economic activities classified? Explain with examples.**
8. **What is a Civilisation? What are the main characteristics of a ‘Civilisation’? Explain any five.**
9. **Learn and revise all the chapters coming in PT – 2 Examination (2025-26).**

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS - VII**  
**SOCIAL SCIENCE**

1. How does the land become sacred?
2. What is the barter system and how does it work? Explain with an example.
3. Explain major problems of the barter system with examples.
4. From the various sacred sites of India, select two of your choice and explain their significance.
5. Why is the Gupta period known as the 'Golden Age' of India?
6. Who were Pallavas and where did they rule?
7. What does Sangam literature reveal about the society and culture of South India?
8. What are the main functions of money?
9. Practice the maps given in Social Science textbook Part-1. (Page no. 130 & 152)
10. Learn and revise all the chapters coming in PT-2 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – VIII**  
**SOCIAL SCIENCE**

1. What is meant by 'divide and rule? How did the British use this policy in India?
2. What were the main reasons for repeated famines under British rule?
3. What was the Ashta Pradhana Mandal? Make a diagram of the Ashta Pradhana Mandal.
4. What were Chauth and Sardeshmukhi?
5. Explain the political, economic, and cultural impacts of colonial rule on colonised regions.
6. Describe the strategies used by the British East India Company to expand its power in India.
7. One-word questions-
  - a. Who founded the Maratha kingdom?
  - b. What was the capital of the Yadava dynasty?
  - c. Which type of warfare did Shivaji famously use?
  - d. What was the official title Shivaji adopted after his coronation?
  - e. Which Mughal general did Shivaji defeat at Surat?
  - f. Who led the Maratha resistance after Rajaram's death?
  - g. Name the tax that was 25% of revenue collected by the Marathas.
  - h. Which Maratha queen rebuilt the Kashi Vishwanath temple?
  - i. What was the name of Shivaji's council of eight ministers?
  - j. Which Maratha naval leader was called a 'pirate' by Europeans?
8. Practice the maps given in Social Science textbook Part-1. (Page no. 68 & 71)
9. Learn and revise all the chapters coming in PT- 2 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – IX**  
**SOCIAL SCIENCE**

1. What promises did Hitler make to the German people?
2. Describe the effect of the Great Economic depression on Germany?
3. Describe any five features of the northern plains of India.
4. Explain the characteristics of the cold weather season.
5. What are the challenges to free and fair elections in India?
6. Explain the different key words used in the Preamble of the Indian Constitution.
7. 'Prime Minister is the head of the government'. Justify this statement.
8. What are the main features of the National Rural Employment Guarantee Act 2005?
9. Write notes on:
  - A) Minimum Support Price
  - B) Buffer Stock
  - C) Antyodaya Anna Yojana (AAY)
  - D) Public Distribution System (PDS)
10. Practice the maps given in History and Geography textbook. (According to CBSE Map work curriculum)
11. Learn and revise all the chapters coming in PT- 3 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – X**  
**SOCIAL SCIENCE**

1. Explain the measures and practices introduced by the French revolutionaries to create a sense of collective identity amongst the French people.
2. Do Map practice of History and Geography. (According to CBSE Map work curriculum)
3. “The silk routes are a good example of pre-modern trade and cultural links between distant parts of the world.” Explain with examples.
4. What are the main features of the National Rural Employment Guarantee Act 2005?
5. Compare the employment conditions prevailing in the organized and unorganized sectors.
6. Explain the significance of the Reserve Bank of India in the Indian economy.
7. What is globalization? There are many factors which enabled the globalization. Explain any three such factors that have enabled globalisation.
8. What is meant by manufacturing? How is it important for a country’s economy? Write any four points.
9. Explain the provisions that have been made towards decentralization in India after the Constitutional Amendment in 1992.
10. Describe any five steps taken by the government of India to increase the productivity of agriculture in India.
11. What is power sharing? Give reasons why power sharing is desirable.
12. Learn and revise all the chapters coming in 2<sup>nd</sup> Pre-Board Examination (2025-26).

## पीएम श्री केन्द्रीय विद्यालय रतलाम

### कक्षा 8 (दीपकम्) – शरद कालीन अवकाश गृहकार्य

1. “ उत्तर- पूर्वी राज्यो की विभिन्न विशेषताओ का वर्णन दो पृष्ठो में लिखिए ?
2. पाठ्य पुस्तक के परिशिष्ट शब्द व धातु रूपो को लिखिए ?
3. संस्कृत प्रार्थना सभा के दौरान प्रस्तुत होने वाले कार्यक्रम की प्रस्तुत सभी गतिविधियो को लिखिए ?

PM SHRI KENDRIYA VIDYALAYA  
RATLAM

**WINTER VACATION**

HOME WORK

2025-26

CLASS -8B

**PM SHRI KENDRIYA VIDYALAYA RATLAM**

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Revise thoroughly for the upcoming examination.

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Do 2 Unseen Passages.

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Practice writing 2 formal letters from the following types:

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**PM SHRI KENDRIYA VIDYALAYA  
WINTER BREAK HOLIDAY HOMEWORK**

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**2 MARKS QUESTIONS**

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**(VERY SHORT ANSWER- 2 MARKS EACH)**

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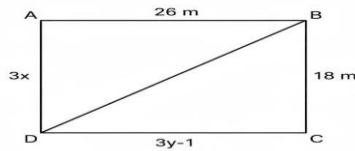
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(a) By using the property of parallelogram, find  $x$  and  $y$ .

(b) If one of the angles at a corner is  $110^\circ$ , what is the measure of remaining three angles?

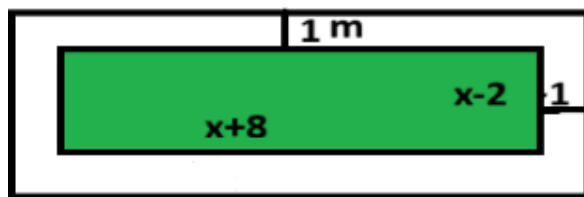
Q3. Aman is designing a number puzzle. He asks players to find a **3-digit number** such that:

- The number is divisible by **9**.
- The digits of the number are in **ascending order**.
- The sum of the digits is **18**.

a) What rule helps us check if a number is divisible by 9?

b) Find the possible 3-digit even number that satisfies all the conditions.

Q4 A rectangular garden has length  $(x + 8)$  meters and breadth  $(x - 2)$  meters. If both the length and breadth are increased by 1 meter. Referring the data answer the following questions.



- a) Find the area of the original rectangular garden. 1M
- b) What is the area of the current rectangular garden after increase of 1m ? 2M
- c) How much area increased ? 1M

Q5 A factory produces refrigerators in two sections: section A produces  $(3x+5)$  refrigerators and section B produces  $(5x-2)$  refrigerators daily.

- d) What is the total production of refrigerators in the month of January? 2M

Calculate total production of refrigerators for  $x=10$  in that month.

Q4. Mary has some number cards. She asked John to choose such numbers from number cards that have remainder 3 when divided by 5.

i) Write two such numbers.

ii) Which algebraic expressions capture all such numbers?

- a)  $3k+5$
- b)  $3k-5$
- c)  $\frac{3k}{5}$
- d)  $5k+3$



**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – VI**  
**SOCIAL SCIENCE**

1. **What are the different ways through which we can judiciously use paper in the classrooms and offices of your school?**
2. **Let us suppose that you study in a village school. The school is located next to a highway and students find it difficult to cross the road when they come to school or leave at the end of the day. What are the options to solve this issue? Which institutions in the Panchayati Raj can help you? What can the students do?**
3. **What is the primary sector? How is it different from the secondary sector? Give two examples.**
4. **Locate and label the continents and oceans on the outline map of the world and paste in your notebook.**
5. **Let us go back to our initial trip from Chhota Nagpur to Prayagraj and Almora. Describe the three landforms you came across on the way.**
6. **What are Panchayati Raj institutions? What are their functions?**
7. **How are economic activities classified? Explain with examples.**
8. **What is a Civilisation? What are the main characteristics of a ‘Civilisation’? Explain any five.**
9. **Learn and revise all the chapters coming in PT – 2 Examination (2025-26).**

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS - VII**  
**SOCIAL SCIENCE**

1. How does the land become sacred?
2. What is the barter system and how does it work? Explain with an example.
3. Explain major problems of the barter system with examples.
4. From the various sacred sites of India, select two of your choice and explain their significance.
5. Why is the Gupta period known as the 'Golden Age' of India?
6. Who were Pallavas and where did they rule?
7. What does Sangam literature reveal about the society and culture of South India?
8. What are the main functions of money?
9. Practice the maps given in Social Science textbook Part-1. (Page no. 130 & 152)
10. Learn and revise all the chapters coming in PT-2 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – VIII**  
**SOCIAL SCIENCE**

1. What is meant by 'divide and rule? How did the British use this policy in India?
2. What were the main reasons for repeated famines under British rule?
3. What was the Ashta Pradhana Mandal? Make a diagram of the Ashta Pradhana Mandal.
4. What were Chauth and Sardeshmukhi?
5. Explain the political, economic, and cultural impacts of colonial rule on colonised regions.
6. Describe the strategies used by the British East India Company to expand its power in India.
7. One-word questions-
  - a. Who founded the Maratha kingdom?
  - b. What was the capital of the Yadava dynasty?
  - c. Which type of warfare did Shivaji famously use?
  - d. What was the official title Shivaji adopted after his coronation?
  - e. Which Mughal general did Shivaji defeat at Surat?
  - f. Who led the Maratha resistance after Rajaram's death?
  - g. Name the tax that was 25% of revenue collected by the Marathas.
  - h. Which Maratha queen rebuilt the Kashi Vishwanath temple?
  - i. What was the name of Shivaji's council of eight ministers?
  - j. Which Maratha naval leader was called a 'pirate' by Europeans?
8. Practice the maps given in Social Science textbook Part-1. (Page no. 68 & 71)
9. Learn and revise all the chapters coming in PT- 2 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – IX**  
**SOCIAL SCIENCE**

1. What promises did Hitler make to the German people?
2. Describe the effect of the Great Economic depression on Germany?
3. Describe any five features of the northern plains of India.
4. Explain the characteristics of the cold weather season.
5. What are the challenges to free and fair elections in India?
6. Explain the different key words used in the Preamble of the Indian Constitution.
7. 'Prime Minister is the head of the government'. Justify this statement.
8. What are the main features of the National Rural Employment Guarantee Act 2005?
9. Write notes on:
  - A) Minimum Support Price
  - B) Buffer Stock
  - C) Antyodaya Anna Yojana (AAY)
  - D) Public Distribution System (PDS)
10. Practice the maps given in History and Geography textbook. (According to CBSE Map work curriculum)
11. Learn and revise all the chapters coming in PT- 3 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – X**  
**SOCIAL SCIENCE**

1. Explain the measures and practices introduced by the French revolutionaries to create a sense of collective identity amongst the French people.
2. Do Map practice of History and Geography. (According to CBSE Map work curriculum)
3. “The silk routes are a good example of pre-modern trade and cultural links between distant parts of the world.” Explain with examples.
4. What are the main features of the National Rural Employment Guarantee Act 2005?
5. Compare the employment conditions prevailing in the organized and unorganized sectors.
6. Explain the significance of the Reserve Bank of India in the Indian economy.
7. What is globalization? There are many factors which enabled the globalization. Explain any three such factors that have enabled globalisation.
8. What is meant by manufacturing? How is it important for a country’s economy? Write any four points.
9. Explain the provisions that have been made towards decentralization in India after the Constitutional Amendment in 1992.
10. Describe any five steps taken by the government of India to increase the productivity of agriculture in India.
11. What is power sharing? Give reasons why power sharing is desirable.
12. Learn and revise all the chapters coming in 2<sup>nd</sup> Pre-Board Examination (2025-26).

## पीएम श्री केन्द्रीय विद्यालय रतलाम

### कक्षा 8 (दीपकम्) – शरद कालीन अवकाश गृहकार्य

1. “ उत्तर- पूर्वी राज्यो की विभिन्न विशेषताओ का वर्णन दो पृष्ठो में लिखिए ?
2. पाठ्य पुस्तक के परिशिष्ट शब्द व धातु रूपो को लिखिए ?
3. संस्कृत प्रार्थना सभा के दौरान प्रस्तुत होने वाले कार्यक्रम की प्रस्तुत सभी गतिविधियो को लिखिए ?

गृहकार्य कक्षा आठ

प्रश्न १ " एक टोकरी भर मिट्टी" कहानी का सारांश लिखिए।

प्रश्न २ " मत बांधो" कविता का अर्थ लिखिए।

प्रश्न ३ तीन दिन के अवकाश हेतु प्राचार्य महोदय को एक पत्र लिखिए।

प्रश्न ४ समय का महत्त्व बताते हुए अपने मित्र को एक पत्र लिखिए।

प्रश्न ५ " खेल दिवस आयोजन" अथवा "नववर्ष " पर एक अनुच्छेद लिखिए।

PM SHRI KENDRIYA VIDYALAYA  
RATLAM

**WINTER VACATION**

HOME WORK

2025-26

CLASS -9A

### WINTER BREAK HOLIDAY HW

#### 1) SOLVE THE QUESTION PAPER GIVEN BELOW

KENDRIYA VIDYALAYA RATLAM

PERIODIC TEST-3(2022-23)

CLASS- IX SUB: SCIENCE

Time: 90 min

Max. Marks: 40

General Instructions:

This question paper contains three sections-A,B and C.

Section-A: Q.No.1 to 8 are of MCQ Type carrying 1 mark each.

Section-B: Q.No. 9 to 13 are of SA Type carrying 2 marks each.

Q.No. 14 to 16 are SA Type carrying 3 marks each.

Section- C : Q.No. 17 to 19 are of case based/ source based carrying 4 marks.

#### SECTION- A

- 1) The number of electrons in an element X is 15 and the number of neutrons is 16.  
Which of the following is the atomic number of the element?  
(a) 16 (b) 15 (c) 31 (d) 30
- 2) Rutherford's 'alpha ( $\alpha$ ) particles scattering experiment' resulted in to discovery of  
(a) Electron (b) Proton (c) Nucleus in the atom (d) Atomic mass
- 3).How much time will be required to perform 520 J of work at the rate of 20 W?  
(a) 24s (b) 16s (c) 20s (d) 26 s
- 4) .The energy possessed by an oscillating pendulum of a clock is  
(a) kinetic energy (b) potential energy (c) Restoring energy. (d) mechanical energy
- 5) The unit of wavelength is a) cm. b) m. c) lambda. d) hertz.
- 6) Before playing the orchestra in a musical concert, a sitarist tries to adjust the tension and pluck the string suitably. By doing so, he is adjusting  
(a) intensity of sound only  
(b) amplitude of sound only  
(c) frequency of the sitar string with the frequency of other musical instruments  
(d) loudness of sound
- 7) .Poultry farming is undertaken to raise following  
(i) Egg production (ii) Feather production (iii) Chicken meat (iv) Milk production  
(a) (i) and (iii) (b) (i) and (ii) (c) (ii) and (iii) (d) (iii) and (iv)
- 8) Demand for more fish can only be met by culture fisheries called.....  
a) Many culture b) Mari culture c) Marine culture d) a and b

#### SECTION- B

- 9) Will  $^{35}\text{Cl}$  and  $^{37}\text{Cl}$  have different valencies? Justify your answer.
- 10) What are the postulates of Bohr's model of an atom?
- 11 State the transformation of energy that takes place when  
(i)Green plants prepare their food.  
(ii)Head of a nail hammered hard and it becomes hot.

- 12 A boy pushes a book by applying a force of 40 N. Find the work done by this force as the book is displaced through 25 cm along the path.
- 13 Name two plants which are used as bio pesticide in organic farming.
- 14 How does the speed of sound depend on Nature of the material
- Humidity of the air
- Temperature of the medium
- 15) State any three uses of ultrasound.
- 16) What desirable traits are focussed to develop by cross-breeding indigenous and exotic breeds of fowl? (Mention any three such traits)

### SECTION- C CASE BASED QUESTIONS

17) The distance between two consecutive compressions (C) or two consecutive rarefactions (R) is called the wavelength. The wavelength is usually represented by  $\lambda$  (Greek letter lambda). Its SI unit is meter (m). If we can count the number of the compressions or rarefactions that cross us per unit time, we will get the frequency of the sound wave. It is usually represented by  $\nu$  (Greek letter, nu). SI unit is hertz (symbol, Hz). The time taken for one complete oscillation is called the time period of the sound wave. It is represented by the symbol T. Its SI unit is second (s). Frequency and time period are related as follows:  $\nu = 1/T$ . The speed of sound is defined as the distance which a point on a wave, such as a compression or a rarefaction, travels per unit time.

$$\text{speed, } v = \text{distance} / \text{time} \quad v = \lambda / T = \nu \lambda$$

- a) . SI unit of Frequency
- (a) m (b) Hertz (c) m/s (d) None of these
- b) . Relation between frequency and time is given by
- (a) frequency and time are directly proportional
- (b) frequency and time are inversely proportional
- (c) There is no relation between them
- (d) None of these
- c) . Define speed of sound. Give its formula in terms of wavelength and frequency.
- d) Define wavelength frequency and time period of longitudinal wave.

18) Different crops require different climatic conditions, temperature and photoperiods for their growth and completion of their life cycle. Photoperiods are related to the duration of sunlight. Growth of plants and flowering are dependent on sunlight. As we all know, plants manufacture their food in sunlight by the process of photosynthesis. There are some crops, which are grown in rainy season, called the kharif season from the month of June to October, and some of the crops are grown in the winter season, called the Rabi season from November to April. Paddy, soyabean, pigeon pea, maize, cotton, green gram and black gram are kharif crops, whereas wheat, gram, peas, mustard, linseed are Rabi crops.

In India there has been a four times increase in the production of food grains from 1952 to 2010 with only 25% increase in the cultivable land area. This increase in production has been achieved through the practices involved in farming, we can divide it into three stages. The first is the choice of seeds for planting. The second is the nurturing of the crop plants. The third is the

protection of the growing and harvested crops from loss. Thus, the major groups of activities for improving crop yields can be classified as: • Crop variety improvement • Crop production improvement • Crop protection management.

- a) . What is kharif season period?
  - (a) June to July                                      (b) June to October
  - (c) June to November                                      (d) June to December
- b) . What is Rabi season period?
  - (a) November to April                                      (b) November to March
  - (c) November to February                                      (d) November to January
- c) .what do you know by crop rotation
- d) Why are weed harmful to the plants

19) A more powerful vehicle would complete a journey in a shorter time than a less powerful one. We talk of the power of machines like motorbikes and motorcars. The speed with which these vehicles change energy or do work is a basis for their classification. Power measures the speed of work done, that is, how fast or slow work is done. Power is defined as the rate of doing work or the rate of transfer of energy. If an agent does a work W in time t, then power is given by  $P = \text{work/time}$   $P = W/T$ . The unit of power is watt.

. (a) Total energy consumed divided by total time taken is called as

- (a) Average power                      (b) Instantaneous power
- (c) Both a and b                      (d) None of these

.(b) Let A and B having same weight start climbing the rope and reach height of 10m. Let A takes 10sec while B takes 12sec then work done

- (a) By both will be same                                      (b) By A is more than work done by B
- (c) By B is more than work done by A                                      (d) None of these

© . Define 1 Watt of power.

(d) An electric bulb of 20W is used for 5h per day. Calculate the 'units' of energy consumed in one day by the bulb.

Q II ) COMPLETE THE NOTES OF CHAPTER - IMPROVEMENT IN FOOD RESOURCES

Q III) COMPLETE THE PRACTICALS IN YOUR PRACTICAL NOTE BOOK.



## शीतकालीन गृहकार्य (विषय-हिंदी)

### कक्षा-9

नोट सभी प्रश्नों के उत्तर सक्षिप्त में हिन्दी नोट बुक में लिखो-

1. निम्नलिखित दो विषयों में से किसी एक विषय पर लगभग 120 शब्दों में अनुच्छेद लिखें -

\* (क) जीवन में खेल-कूद का स्थान

\*भूमिका

\*विभिन्न प्रकार के खेल

\*खेलों का महत्व

\*विद्यार्थी जीवन में खेल-कूद का महत्व

\*उपसंहार

\* (ख) युवावर्ग पर सोशल मीडिया का प्रभाव

\*भूमिका

\*सोशल मीडिया की उपयोगिता

\*दुष्प्रभाव

\*उपसंहार

2. एस.बी.आई. बैंक के प्रबंधक को नई चेकबुक मंगवाने के लिए 80 शब्दों में ई मेल लिखिए।

3. निकट के प्रार्थना स्थलों और पूजा घरों में लाउडस्पीकर के मनमाने प्रयोग से होने वाली परेशानियां का उल्लेख करते हुए संपादक को पत्र लिखिए।

4. पढ़ाए गए पाठों के प्रश्नोत्तर याद कीजिए ।

**KENDRIYA VIDYALAYA, EMBASSY OF INDIA, KATHMANDU, NEPAL**  
**PRACTICE PAPER 05 (2025-26)**  
**CHAPTER 08 QUADRILATERALS**

**SUBJECT: MATHEMATICS**

**MAX. MARKS : 40**

**CLASS : IX**

**DURATION : 1½ hrs**

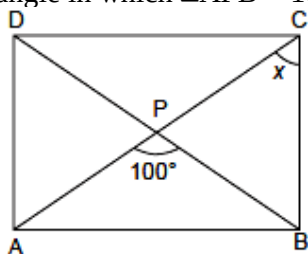
**General Instructions:**

- (i). All questions are compulsory.
- (ii). This question paper contains 20 questions divided into five Sections A, B, C, D and E.
- (iii). **Section A** comprises of 10 MCQs of 1 mark each. **Section B** comprises of 4 questions of 2 marks each. **Section C** comprises of 3 questions of 3 marks each. **Section D** comprises of 1 question of 5 marks each and **Section E** comprises of 2 Case Study Based Questions of 4 marks each.
- (iv). There is no overall choice.
- (v). **Use of Calculators is not permitted**

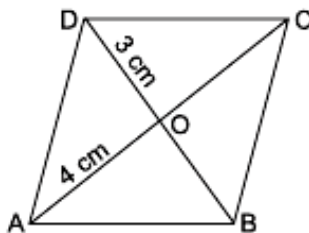
**SECTION – A**

Questions 1 to 10 carry 1 mark each.

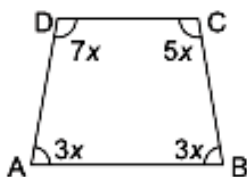
1. In the given figure, ABCD is a rectangle in which  $\angle APB = 100^\circ$ . The value of x is



- (a)  $40^\circ$                       (b)  $50^\circ$                       (c)  $60^\circ$                       (d)  $70^\circ$
2. In a quadrilateral ABCD, equal diagonals AC and BD intersect at P, such that  $AP = PC$  and  $BP = PD$ , also  $\angle BPC = 90^\circ$ , then quadrilateral is exactly  
(a) a parallelogram (b) a square (c) a rhombus (d) a rectangle
3. In the given figure, ABCD is a rhombus,  $AO = 4$  cm and  $DO = 3$  cm. Then the perimeter of the rhombus is

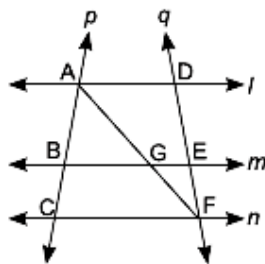


- (a) 18 cm                      (b) 20 cm                      (c) 21 cm                      (d) 22 cm
4. The value of x in the given figure is



- (a)  $10^\circ$                       (b)  $20^\circ$                       (c)  $30^\circ$                       (d)  $40^\circ$

5. In a parallelogram ABCD, E and F are the mid-points of sides AB and CD respectively. AF and CE meet the diagonal BD of length 12 cm at P and Q. Then length of PQ is  
 (a) 6 cm                      (b) 4 cm                      (c) 3 cm                      (d) 5 cm
6. In the given figure,  $l \parallel m \parallel n$  if  $AB > BC$ , then, the relation between AG and GF is



- (a)  $AG > GF$                       (b)  $AG = GF$                       (c)  $AG < GF$                       (d) none of these
7. Given a rectangle ABCD and P, Q, R, S are the mid-points of AB, BC, CD and DA respectively. Length of diagonal of a rectangle is 8 cm. Then the quadrilateral PQRS is a  
 (a) parallelogram with adjacent sides 4 cm and 6 cm  
 (b) rectangle with adjacent sides 4 cm and 6 cm  
 (c) rhombus with side 4 cm  
 (d) square with side 4 cm.
8. Which of the following statement is correct?  
 (a) a trapezium is a parallelogram                      (b) every rectangle is a parallelogram  
 (c) every parallelogram is a rectangle                      (d) every rhombus is a square

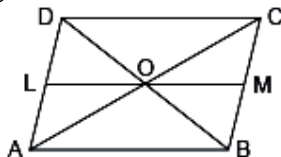
**In the following questions 9 and 10, a statement of assertion (A) is followed by a statement of Reason (R). Choose the correct answer out of the following choices.**

- (a) Both A and R are true and R is the correct explanation of A.  
 (b) Both A and R are true but R is not the correct explanation of A.  
 (c) A is true but R is false.  
 (d) A is false but R is true.
9. **Assertion (A):** The angles of a quadrilateral are  $x^\circ$ ,  $(x - 10)^\circ$ ,  $(x + 30)^\circ$  and  $(2x)^\circ$ , the smallest angle is equal to  $58^\circ$   
**Reason (R):** Sum of the angles of a quadrilateral is  $360^\circ$
10. **Assertion (A):** A parallelogram is obtained on joining the mid point of adjacent sides of a quadrilateral.  
**Reason (R):** The line joining the mid points of two sides of a triangle is parallel to third side.

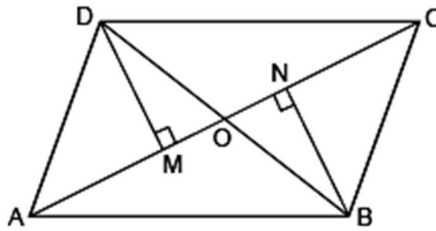
## SECTION – B

**Questions 11 to 14 carry 2 marks each.**

11. In the given figure, ABCD is a parallelogram in which diagonals AC and BD intersect at O. A line segment LM is drawn passing through O. Prove that  $LO = OM$ .



12. In quadrilateral ABCD, BN and DM are drawn perpendicular to AC. Such that  $BN = DM$ . Prove that O is mid-point of BD.



13. In a parallelogram, show that the angle bisectors of two adjacent angles intersect at right angles.

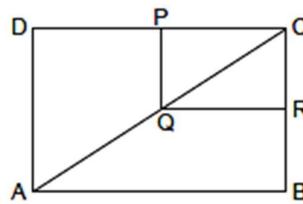
14. ABCD is a parallelogram. AB is produced to E so that BE = AB. Prove the ED bisects BC.

### SECTION – C

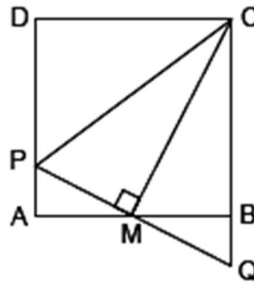
Questions 15 to 17 carry 3 marks each.

15. In the given figure, ABCD and PQRC are rectangles and Q is the mid-point of AC. Prove that:

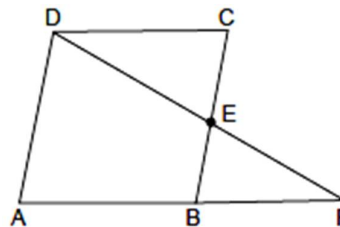
(i)  $DP = PC$  (ii)  $PR = \frac{1}{2} AC$



16. In the given figure, ABCD is a square. M is the midpoint of AB and  $PQ \perp CM$ . Prove that  $CP = CQ$ .



17. ABCD is a parallelogram and E is the mid-point of side BC. DE and AB on producing meet at F. Prove that  $AF = 2AB$ .



### SECTION – D

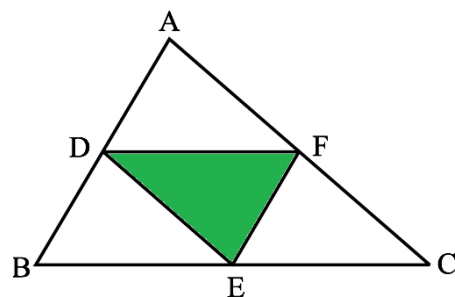
Questions 18 carry 5 marks.

18. Show that the quadrilateral formed by joining the mid-points of the sides of a square, is also a square.

### SECTION – E (Case Study Based Questions)

Questions 19 to 20 carry 4 marks each.

19. In a school, group of Class IX students prepared Rangoli in triangular shape. Dimensions of  $\triangle ABC$  are  $AC = 26$  cm,  $BC = 28$  cm,  $AB = 25$  cm. Garland is to be placed along the side of  $\triangle DEF$  which is formed by joining midpoints of sides of  $\triangle ABC$ .

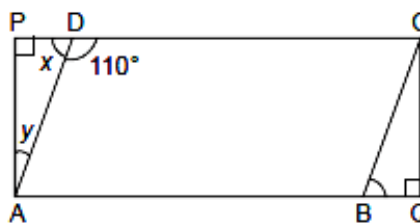


- (a) Show that ADEF, BDFE and DFCE are all parallelograms. (2)  
 (b) Find the length of garland. (2)

OR

- (b) Show that  $\triangle ABC$  is divided into four congruent triangles (2)

20. Roshni has made a wall hanging on cloth to decorate the living room of her house. The wall hanging was in a parallelogram shape. When she hanged it on wall using nail, point of one portion of the wall just came out and it was not looking good. She became very upset. Her mother came and asked about the problem and came up with an idea. She told Roshni that she can add triangle shape different coloured cloth so that wall hanging can cover that spoiled part of the wall. Both of them decorated the wall hanging and got it framed. Now it was in a rectangular shape as shown in figure.



On the basis of the above information answer following questions.

- (a)  $\triangle APD$  and  $\triangle CQB$  are congruent by which criteria?  
 (b) What is the measure of  $\angle x$ ?  
 (c) What is the measure of  $\angle ABC$ ?  
 (d) What is the measure of  $\angle y$ ?

.....

**PM SHRI KENDRIYA VIDYALAYA RATLAM**

**SAMPLE PAPER 2025-26**

**CLASS: IX**

**SUBJECT: ENGLISH**

**TIME: 3 HOURS**

**M. MARKS: 80**

**General Instructions:**

1. This paper contains 11 questions
2. It consists of **3 sections**:
  - a. **Section A**: Reading - 20 Marks
  - a. **Section B**: Writing and Grammar - 20 Marks
  - a. **Section C**: Literature - 40 Marks
2. All questions are **compulsory**. Internal choices in some questions have been provided.
3. Attempt all questions in a particular section in the given order.

**SECTION A**

| <b>Q1. Read the passage given below and answer the questions that follow.</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I                                                                             | Kausani is a picturesque town nestled in the central Himalayas at an elevation of 6,075 feet. Covering a modest 5.2 sq. kms, it resides north of Almora in the scenic Kaumaon region of Uttarakhand. The town offers a breathtaking 300 km panoramic view of the Himalayas, with snow-capped peaks standing in majestic rows. The prominent Nanda Devi, India's second-highest mountain, is the star attraction at a height of 25,645 feet, 36 miles away.                                                                                                                                                                      |
| II                                                                            | Among the other notable peaks visible are Choukhamba (23,420 feet) and Trishul (23,360 feet), accompanied by Nilkanth, Nandaghunti, Nandaghat, and Nandakot. The sky's vivid blue on clear days provides a splendid backdrop to these towering peaks, creating a mesmerizing sight at sunrise and sunset when the sky transforms into a golden orange hue. This spectacle left Mahatma Gandhi awe-struck during his 1929 visit, leading him to dub Kausani the 'Switzerland of India.' His stay extended to fourteen days, during which he penned the book 'Anashakti Yoga' in a guest house, later renamed 'Anashakti Ashram.' |
| III                                                                           | Kausani holds significance as the birthplace of Sumitranandan Pant, one of India's greatest modern poets, whose poems drew inspiration from its natural surroundings. Tea gardens intermingle with dense pine forests and fruit orchards, creating a serene ambiance.<br><br>The region also hosts numerous fairs and religious ceremonies. Kausani, often considered God's own backyard, embraces tranquility, devoid of traffic and haste. If serenity could be painted, it would mirror the charm of Kausani.                                                                                                                |
| IV                                                                            | Kausani's charm isn't limited to its panoramic views and poetic heritage — it also offers a rich cultural experience. The town hosts several vibrant fairs and festivals, such as the Uttarayani Fair, celebrated with great fervor. These events are not only religious gatherings but also social occasions where locals showcase their traditional                                                                                                                                                                                                                                                                           |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | music, dance, and crafts. The local cuisine, with its flavors deeply rooted in Kumaoni traditions, adds to the immersive experience, offering visitors a taste of the region's culinary heritage.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| V | For nature enthusiasts and trekkers, Kausani serves as a gateway to numerous trekking trails that weave through forests of oak, cedar, and rhododendron. The popular Rudrahari Falls trek takes adventurers through ancient caves and scenic landscapes, while the Pindari Glacier trek offers a more challenging yet rewarding journey. Birdwatchers can also revel in the town's biodiversity, as Kausani is home to a variety of Himalayan avian species. Whether one seeks spiritual solace, artistic inspiration, or an adventurous escape, Kausani unfolds its beauty in countless ways, leaving an indelible mark on every visitor's heart. |

**Q1. Answer the following questions based on your reading.**

|       |                                                                                                                                                                                                                                                                                                                                                                   |     |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| i)    | The passage suggests that Kausani's local cuisine, music, and fairs play a role in preserving its _____ identity.                                                                                                                                                                                                                                                 | (1) |
| ii)   | <b>Why did Mahatma Gandhi call Kausani the 'Switzerland of India'?</b><br>A. Because of its cultural heritage<br>B. Because of its panoramic views<br>C. Because of its historical significance<br>D. Because of its tea gardens                                                                                                                                  | (1) |
| iii)  | What makes Kausani a special destination for literary enthusiasts?                                                                                                                                                                                                                                                                                                | (1) |
| iv)   | <b>Assertion (A):</b> Kausani is famous only for its panoramic views of the Himalayas.<br><br><b>Reasoning (R):</b> The town also offers cultural fairs, trekking, and a poetic heritage.<br>a) Both A and R are true, and R explains A.<br>b) Both A and R are true, but R does not explain A.<br>c) A is false, and R is true.<br>d) A is true, and R is false. | (1) |
| v)    | What do you think are the challenges face by the local residents of hill station dues to overflow of tourists?                                                                                                                                                                                                                                                    | (1) |
| vi)   | Why is Kausani considered a peaceful retreat?                                                                                                                                                                                                                                                                                                                     | (1) |
| vii)  | How does Kausani provide a cultural experience?                                                                                                                                                                                                                                                                                                                   | (1) |
| viii) | Find the antonym of 'chaos' from paragraph III.                                                                                                                                                                                                                                                                                                                   | (1) |
| ix)   | Mention any two different ways in which Kausani caters to variety of tourists in terms of what it offers.                                                                                                                                                                                                                                                         | (2) |

**Q2. Read the passage given below and answer the questions that follow.**

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| I   | The magnitude 9.0 Japan's Tohoku Earthquake occurred at 14 :46 local time on Friday. 11 March 2011, 125 km east coast of Honshu and 380 km far from Tokyo and rattled the large parts of Japan and some part of east China and Russia with 30 km depth of the hypocentre. This earthquake that lasted approximately 3 minutes (170 seconds) caused a 130 km long by 159 km wide rupture zone on the pacific plate subduction zone and followed by a huge tsunami with more than 40 meter waves. The destructive aftermaths of this incident made an irreparable disaster not only for the Japan, but also for the whole world because except for the enormous death toll and debris, the damages of nuclear power plants were a hazardous unexpected tragedy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| II  | According to the report of the Japanese National Police Agency, 15854 dead. 3167 missing and 26992 injured across twenty prefectures are the result of this devastating earthquake and tsunami which ruined more than 125000 buildings. Moreover. it caused long blackouts for more than 4.4 million buildings and left 1.5 million buildings out of water for days, also large fires were triggered one after another even for weeks after the main quake.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| III | Explosion and demolition of the Fukushima I Nuclear Power Plant (Fukushima Daiichi), which generated radioactive contamination near the plant's area with irreversible damages to the environment, was one the most significant issues of this catastrophe and ranked 7 (the most severe level for nuclear power plant) based on the International Nuclear Event Scale, similar to the Chernobyl disaster on 26 April 1986. Therefore, it is not strange to consider to this earthquake as the most important destructive seismic event of the beginning of the twenty first century in the advanced industrial world. Division of total 19100 death and missed people by the reason as of 10th March 2012 (CATDAT) is as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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|       |                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| ii)   | What caused the radioactive contamination near Fukushima I Nuclear Power P<br>Russia lant?                                                                                                                                                                                                                                                                                                                                             | (1) |
| iii)  | <p><b>Assertion (A):</b> The Tohoku Earthquake only affected Japan and caused no damage in other countries.</p> <p><b>Reasoning (R):</b> The quake’s vibrations were felt in parts of east China and.</p> <p>a) Both A and R are true, and R explains A.<br/> b) Both A and R are true, but R does not explain A.<br/> c) A is false, and R is true.<br/> d) A is true, and R is false.</p>                                            | (1) |
| iv)   | How did the tsunami worsen the damage caused by the earthquake?                                                                                                                                                                                                                                                                                                                                                                        | (1) |
| v)    | <p><b>According to the passage, maximum people on 11 March, 2011 died because of</b></p> <p>(a) shaking and collapse of buildings, houses, etc.      (b) drowning because of the tsunami.<br/> (c) indirect causes.      (d) fire, landslides and other reasons.</p>                                                                                                                                                                   | (1) |
| vi)   | The Fukushima I Nuclear Power Plant disaster shared the same severity level as the previous _____, hinting at the long-lasting environmental harm it caused.                                                                                                                                                                                                                                                                           | (1) |
| vii)  | <p><b>According to the report of the Japanese National Police Agency, which of the following was not caused by the devastating earthquake and tsunami of 2011 in Japan?</b></p> <p>(a) Long blackouts in buildings<br/> (b) Buildings with no water for days<br/> (c) Many areas received no help for days from the rescue team<br/> (d) Large fires triggered one after the other for weeks</p>                                       | (1) |
| viii) | <p><b>Which of the following statements is not true in the context of the passage?</b></p> <p>a. The earthquake caused the explosion and demolition of a nuclear power plant.<br/> a. The earthquake was the main cause of the partial damage of buildings.<br/> a. The earthquake lasted approximately 3 minutes (170 seconds).<br/> a. The destructive aftermaths of the earthquake made an irreparable disaster only for Japan.</p> | (1) |
| ix)   | Find the synonym of the word “disaster” from para III.                                                                                                                                                                                                                                                                                                                                                                                 | (1) |
| x)    | Over 4.4 million buildings lost power, but none lost water supply after the disaster. <b>(True/False)</b>                                                                                                                                                                                                                                                                                                                              | (1) |

## **SECTION B**

**Q3. Complete ANY TEN of twelve of the following tasks, as directed. (10X1=10)**

- . Change the dialogues given below into reported speech by filling the blank provided**

**Alan:** Are you going to the exhibition, Helan?

**Helan:** No. I don't want to go to the exhibition.

Alan asked Helen \_\_\_\_\_. Helen replied in negative and told that she did not want to go to the exhibition.

- ii. There is an error in the sentence below. Choose the correct pair for the correction from the options provided.

They noted that the programme aim to provide students with hands-on experience in technology and engineering.

| Option | Error | Correction |
|--------|-------|------------|
| a.     | Noted | Notes      |
| b.     | The   | A          |
| c.     | Aim   | Aims       |
| d.     | In    | With       |

- iii. Fill in the blank by choosing the correct option.**

We don't have \_\_\_\_\_ money to spend on unnecessary things.

- a) many                      b) much  
c) few                        d) a lot

- iv. Select the correct indirect speech form of the given sentence from the options below.

The teacher said, “honesty is the best policy”.

- a) The teacher said that honesty is the best policy.  
b) The teacher said honesty was the best policy.  
c) The teacher told that honesty is the best policy.  
d) The teacher says honesty is the best policy.

- v. Find the error in the sentence provided below.**

Massive discount is offered to all senior citizen vaccinated with the precautionary dose.

| Error | Correction |
|-------|------------|
|       |            |

- vi. Select the appropriate modal for the sentence:**

You wear a seatbelt while driving; it's the law.

- a) Should                      b) Must

- c) May                      d) Could
- vii. **Ritu asked the following question to her friend, Deepak. Report Ritu's question.**  
Have you memorized your speech for tomorrow?
- viii. **Fill in the blank by choosing the correct form of verb.**  
By the time we arrived, the show \_\_\_\_ already.  
a) Started                      b) Was started  
c) Had started.              d) Has started
- ix. **Fill in the blank by choosing the correct determiner from the options provided.**  
Meg used \_\_\_\_\_ sketch pens to complete her project. (This/these)
- x. **Identify the correct verb form using rules of subject verb agreement.**  
Neither the teacher nor the students \_\_\_\_ responsible for the mistake last time.  
a) Is                              b) Are  
c) Was                          c) Were
- xi. **Choose the appropriate modal.**  
She \_\_\_\_ (can/could) speak five languages fluently when she was younger, but she has forgotten some now.
- xii. **Fill in the blanks with the correct form of the verb.**  
My father works at the office. He \_\_\_\_\_ (wear) a neck tie to work.

**Q4.** Write a descriptive paragraph on your favourite book in about 100-120 words. Describe its title, author, story, main characters, and why you like it.  
(1X5=5)

**Cues:**

- Title and author of the book.
- Genre and summary of the story
- Main characters and their roles
- Why you like this book and its impact on you

**OR**

Write a descriptive paragraph on a visit to a zoo in about 100-120 words. Describe the animals you saw, their enclosures, the crowd, and your overall experience.

**Cues:**

- Name and location of the zoo
- Types of animals you saw
- Behavior of animals and their enclosures
- Visitors and their reactions
- Your personal experience and favorite animal

**Q5.** Imagine you have joined a new school. Write a diary entry in about 100-120 words about your first day, describing your experience, the people you met, and your feelings.  
(1X5=5)

**OR**

Imagine you wake up 50 years into the future, you have travelled to a new world. Write a story about what you see and experience in about 100-120 words.

**Cues:**

- How did you time travel?
- What does the world look like after 50 years?
- What new technology exists?

- What did you do there?
- How do you return to your own time?

### SECTION C

**Q6. Read the given extract to attempt the questions that follow. (Any one extract) (5X1=5)**

"Instead of letting that depress me, I became more quietly determined and mentally tough. I learnt how to take care of myself. I never thought of quitting because I knew what I wanted. When you come from nothing and you have nothing, then it makes you very hungry and determined... I would have put up with much more humiliation and insults than that to steadfastly pursue my dream."

- i. Who is the speaker of these lines?
  - a) Evelyn Glennie.
  - b) Santosh Yadav
  - c) Kezia.
  - d) Maria Sharapova
- ii. The word "steadfastly" can correctly be interpreted as "with hesitation" in this passage?  
State whether the above mentioned interpretation is **correct** or **incorrect**.
- iii. How did the speaker react to insults and humiliation?
  - a) They saw them as a challenge.
  - b) They ignored them.
  - c) They felt discouraged.
  - d) They avoided them.
- iv. What made the speaker hungry and determined because \_\_\_\_\_
- iv. How does the speaker deal with challenges?

**OR**

The young boy took to music early in life. At the age of three when his mother took him to his maternal uncle's house in Benaras (now Varanasi), Bismillah was fascinated watching his uncle's practise the shehnai. Soon Bismillah started accompanying his uncle, Ali Bux, to the Vishnu temple of Benaras where Bux was employed to play the shehnai. Ali Bux would play the shehnai and Bismillah would sit captivated for hours on end.

- . The fact that Ali Bux played the shehnai at the Vishnu temple suggests that the instrument was considered important in \_\_\_\_\_ ceremonies.
- . What role did Ali Bux play in shaping Bismillah Khan's musical journey?
- . Bismillah Khan first developed an interest in music when he started playing the shehnai at the age of three. **(True/False)**
- . Why do you think Bismillah sat for hours listening to the shehnai?
  - a. He had nothing else to do at the temple
  - a. He was waiting for his mother to go home
  - a. He was instructed to sit there by his uncle
  - a. He was fascinated by the soulful music
- . What does the extract suggest about Bismillah's personality as a young boy?
  - a. Observant and passionate.
  - a. Curious but easily distracted.
  - a. Kind and soft spoken.
  - a. Honest and straightforward.

**Q7. Read the given extract to attempt the questions that follow. (Any one extract) (5X1=5)**

You're very clever at poking fun at weaklings.  
Frail crumbling houses, crumbling doors, crumbling rafters,  
crumbling wood, crumbling bodies, crumbling lives,  
crumbling hearts-  
The wind god winnows and crushes them all.  
He won't do what you tell him.  
So, come, let's build strong homes.  
Let's joint the doors firmly.  
Practise to firm the body.  
Make the heart steadfast.

- . What literary device is used in "crumbling houses, crumbling doors, crumbling rafters"
- . What changes when the poet says "let's build"?
  - a) From sad to hopeful.
  - b) From happy to sad
  - c) From weak to strong.
  - d) From busy to lazy
- iii. What does the repetition of "crumbling" suggest about the objects?
  - a) They are newly constructed.
  - b) They are frail and breaking
  - c) They are resistant to force.
  - d) They are carefully maintained
- iv. What is implied by "He won't do what you tell him"?
- iv. If the wind represents difficulties, what should one do to "firm the body"?

**OR**

When the humid shadows hover  
Over all the starry spheres  
And the melancholy darkness  
Gently weeps in rainy tears.  
What a bliss to press the pillow  
Of a cottage-chamber bed  
And lie listening to the patter  
Of the soft rain overhead!

- . Why does the poet describe the darkness as "melancholy"?
  - a) To show it is pleasant and cheerful.
  - b) To suggest it has a sorrowful mood.
  - c) To indicate it is intense and furious.
  - d) To imply it is noisy and unsettled.
- ii. In 'melancholy darkness gently weeps in rainy tears' which literary device has been used?
- ii. What does "bliss" mean in "What a bliss to press the pillow"?
- ii. What does "spheres" refer to in "starry spheres"?
  - a) The surface of the Earth.
  - b) The clouds filled with stars.
  - c) The stars in the sky.
  - d) The sky shining with stars.
- v. Why does the poet focus on the "patter" of rain overhead and the cottage-chamber bed?

**Q8. Answer the following questions in about 40 -50 words. (Any four) (4X3=12)**

- a. How does the story depict the differences between Margie's futuristic school and traditional schools?
- a. What do the two roads in the poem "The road not taken" symbolize?

- a. How does Gerrard's quick thinking help him escape from the intruder?
- a. The narrator's visit to Kathmandu was marked by various experiences. Describe the cultural and personal insights he gained during his stay.
- a. What role did Kalam's father play in shaping his values and encouraging his passion for learning?

**Q9. Answer the following questions in about 40-50 words. (Any two)**  
**(2X3=6)**

- a. What is the significance of the last leaf in the story, and how does it symbolize hope and resilience?
- a. Do you think the swallow was selfless in *The Happy Prince*? What role does the swallow play in conveying the story's message of selflessness?
- a. How does the story of 'The Last Leaf' challenge the idea of fate and emphasize the importance of willpower and hope?

**Q10. Answer ANY ONE of the following questions in about 100-120 words.**  
**(1X6=6)**

If Kezia had the chance to express her feelings to her father openly, what would she say? Write a heartfelt diary entry from her perspective mentioning the change in her feelings after the incident of the slap and after realizing her father's love for her.

**OR**

If Evelyn Glennie were to give a speech on overcoming challenges, what key messages would she share? Write a speech, including personal incidents of her life, her experiences and feelings, her overcoming challenges and advice for people.

**Q11. Answer ANY ONE of the following questions in about 100-120 words.**  
**(1X6=6)**

Lushkoff changes from a beggar to a hardworking man. How do Sergei and Olga help him? What does this story say about kindness and second chances?

**OR**

The people in the Kingdom of Fools followed foolish rules without questioning them. Why is it important to think for yourself instead of blindly following others? Mention with examples from 'The Kingdom of Fools'

### WINTER BREAK HOLIDAY HW

#### 1) SOLVE THE QUESTION PAPER GIVEN BELOW

KENDRIYA VIDYALAYA RATLAM

PERIODIC TEST-3(2022-23)

CLASS- IX SUB: SCIENCE

Time: 90 min

Max. Marks: 40

General Instructions:

This question paper contains three sections-A,B and C.

Section-A: Q.No.1 to 8 are of MCQ Type carrying 1 mark each.

Section-B: Q.No. 9 to 13 are of SA Type carrying 2 marks each.

Q.No. 14 to 16 are SA Type carrying 3 marks each.

Section- C : Q.No. 17 to 19 are of case based/ source based carrying 4 marks.

#### SECTION- A

- 1) The number of electrons in an element X is 15 and the number of neutrons is 16.  
Which of the following is the atomic number of the element?  
(a) 16 (b) 15 (c) 31 (d) 30
- 2) Rutherford's 'alpha ( $\alpha$ ) particles scattering experiment' resulted in to discovery of  
(a) Electron (b) Proton (c) Nucleus in the atom (d) Atomic mass
- 3).How much time will be required to perform 520 J of work at the rate of 20 W?  
(a) 24s (b) 16s (c) 20s (d) 26 s
- 4) .The energy possessed by an oscillating pendulum of a clock is  
(a) kinetic energy (b) potential energy (c) Restoring energy. (d) mechanical energy
- 5) The unit of wavelength is a) cm. b) m. c) lambda. d) hertz.
- 6) Before playing the orchestra in a musical concert, a sitarist tries to adjust the tension and pluck the string suitably. By doing so, he is adjusting  
(a) intensity of sound only  
(b) amplitude of sound only  
(c) frequency of the sitar string with the frequency of other musical instruments  
(d) loudness of sound
- 7) .Poultry farming is undertaken to raise following  
(i) Egg production (ii) Feather production (iii) Chicken meat (iv) Milk production  
(a) (i) and (iii) (b) (i) and (ii) (c) (ii) and (iii) (d) (iii) and (iv)
- 8) Demand for more fish can only be met by culture fisheries called.....  
a) Many culture b) Mari culture c) Marine culture d) a and b

#### SECTION- B

- 9) Will  $^{35}\text{Cl}$  and  $^{37}\text{Cl}$  have different valencies? Justify your answer.
- 10) What are the postulates of Bohr's model of an atom?
- 11 State the transformation of energy that takes place when  
(i)Green plants prepare their food.  
(ii)Head of a nail hammered hard and it becomes hot.

- 12 A boy pushes a book by applying a force of 40 N. Find the work done by this force as the book is displaced through 25 cm along the path.
- 13 Name two plants which are used as bio pesticide in organic farming.
- 14 How does the speed of sound depend on Nature of the material
- Humidity of the air
- Temperature of the medium
- 15) State any three uses of ultrasound.
- 16) What desirable traits are focussed to develop by cross-breeding indigenous and exotic breeds of fowl? (Mention any three such traits)

### SECTION- C CASE BASED QUESTIONS

17) The distance between two consecutive compressions (C) or two consecutive rarefactions (R) is called the wavelength. The wavelength is usually represented by  $\lambda$  (Greek letter lambda). Its SI unit is meter (m). If we can count the number of the compressions or rarefactions that cross us per unit time, we will get the frequency of the sound wave. It is usually represented by  $\nu$  (Greek letter, nu). SI unit is hertz (symbol, Hz). The time taken for one complete oscillation is called the time period of the sound wave. It is represented by the symbol T. Its SI unit is second (s). Frequency and time period are related as follows:  $\nu = 1/T$ . The speed of sound is defined as the distance which a point on a wave, such as a compression or a rarefaction, travels per unit time.

$$\text{speed, } v = \text{distance} / \text{time} \quad v = \lambda / T = \nu \lambda$$

- a) . SI unit of Frequency
- (a) m    (b) Hertz    (c) m/s    (d) None of these
- b) . Relation between frequency and time is given by
- (a) frequency and time are directly proportional
- (b) frequency and time are inversely proportional
- (c) There is no relation between them
- (d) None of these
- c) . Define speed of sound. Give its formula in terms of wavelength and frequency.
- d) Define wavelength frequency and time period of longitudinal wave.

18) Different crops require different climatic conditions, temperature and photoperiods for their growth and completion of their life cycle. Photoperiods are related to the duration of sunlight. Growth of plants and flowering are dependent on sunlight. As we all know, plants manufacture their food in sunlight by the process of photosynthesis. There are some crops, which are grown in rainy season, called the kharif season from the month of June to October, and some of the crops are grown in the winter season, called the Rabi season from November to April. Paddy, soyabean, pigeon pea, maize, cotton, green gram and black gram are kharif crops, whereas wheat, gram, peas, mustard, linseed are Rabi crops.

In India there has been a four times increase in the production of food grains from 1952 to 2010 with only 25% increase in the cultivable land area. This increase in production has been achieved through the practices involved in farming, we can divide it into three stages. The first is the choice of seeds for planting. The second is the nurturing of the crop plants. The third is the

protection of the growing and harvested crops from loss. Thus, the major groups of activities for improving crop yields can be classified as: • Crop variety improvement • Crop production improvement • Crop protection management.

- a) . What is kharif season period?
  - (a) June to July                                      (b) June to October
  - (c) June to November                              (d) June to December
- b) . What is Rabi season period?
  - (a) November to April                              (b) November to March
  - (c) November to February                              (d) November to January
- c) .what do you know by crop rotation
- d) Why are weed harmful to the plants

19) A more powerful vehicle would complete a journey in a shorter time than a less powerful one. We talk of the power of machines like motorbikes and motorcars. The speed with which these vehicles change energy or do work is a basis for their classification. Power measures the speed of work done, that is, how fast or slow work is done. Power is defined as the rate of doing work or the rate of transfer of energy. If an agent does a work  $W$  in time  $t$ , then power is given by  $P = \text{work/time}$   $P = W/T$ . The unit of power is watt.

. (a) Total energy consumed divided by total time taken is called as

- (a) Average power                              (b) Instantaneous power
- (c) Both a and b                              (d) None of these

.(b) Let A and B having same weight start climbing the rope and reach height of 10m. Let A takes 10sec while B takes 12sec then work done

- (a) By both will be same                              (b) By A is more than work done by B
- (c) By B is more than work done by A                              (d) None of these

© . Define 1 Watt of power.

(d) An electric bulb of 20W is used for 5h per day. Calculate the 'units' of energy consumed in one day by the bulb.

Q II ) COMPLETE THE NOTES OF CHAPTER - IMPROVEMENT IN FOOD RESOURCES

Q III) COMPLETE THE PRACTICALS IN YOUR PRACTICAL NOTE BOOK.



## शीतकालीन गृहकार्य (विषय-हिंदी)

### कक्षा-9

नोट सभी प्रश्नों के उत्तर सक्षिप्त में हिन्दी नोट बुक में लिखो-

1. निम्नलिखित दो विषयों में से किसी एक विषय पर लगभग 120 शब्दों में अनुच्छेद लिखें -

\* (क) जीवन में खेल-कूद का स्थान

\*भूमिका

\*विभिन्न प्रकार के खेल

\*खेलों का महत्व

\*विद्यार्थी जीवन में खेल-कूद का महत्व

\*उपसंहार

\* (ख) युवावर्ग पर सोशल मीडिया का प्रभाव

\*भूमिका

\*सोशल मीडिया की उपयोगिता

\*दुष्प्रभाव

\*उपसंहार

2. एस.बी.आई. बैंक के प्रबंधक को नई चेकबुक मंगवाने के लिए 80 शब्दों में ई मेल लिखिए।

3. निकट के प्रार्थना स्थलों और पूजा घरों में लाउडस्पीकर के मनमाने प्रयोग से होने वाली परेशानियां का उल्लेख करते हुए संपादक को पत्र लिखिए।

4. पढ़ाए गए पाठों के प्रश्नोत्तर याद कीजिए ।

**PM SHRI KENDRIYA VIDYALAYA RATLAM**

**WINTER BREAK HOMEWORK 2025-26**

**ENGLISH: IX B**

Learn the summary of every chapter of PT-3 , the same will be tested in speaking-test shortly.

Learn and prepare the personal pronoun chart.

Learn and prepare the tense chart as taught with 5 sentences on each tense in each mood in both active as well as passive voice.

Write 50 useful verbs from the chapters of Term II, in all the four forms along with meaning and one sentence on each

Write two deacriptive paragraphs with attractive writing script on the clues given below, record any one of your writing in mp3 format and keep ready the audio file for submission, the same will be demanded at the end of winter break.

(I) You recently participated in a 'Robot Making' event in your school. Participants from as many as 30 schools in the city took part in the event. Write about the event in 100-150 words describing how many robots were made and who was awarded the best prize, etc.

(ii) 'Career Fair' was organised this year as well in your school. As many as 30 Institutes had put up their stalls. Some of the participants included NIFT, NID, IIPM, and Computer Academy, etc. The school had invited career counsellors as well. Write a description of the event in 100-150 words.

Complete the following story. It has to be a scary story that terrifies people. Give a suitable title to your story.

I stopped my scooter in front of an old and dilapidated building. A haggared, skinny old man with drooping shoulders came towards me. "Don't go in, Sir", he whispered. "It is dangerous..."

Write, learn and record the writing of your story in mp3 format and keep ready the audio file for submission, the same will be demanded at the end of winter break.

Prepare a list writing the name of chapter/poem with the name of writer/poet and learn the same.

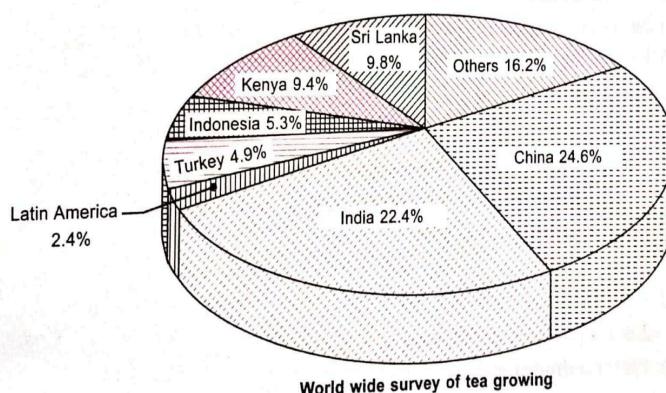
Write a short note on each literary device of your syllabus.

PERIODIC TEST 3 ENGLISH

Sample Paper ( To be solved, conceptualised and practised)

SUBJECT: ENGLISH

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Q1 | <p style="text-align: center;"><b>SECTION A (READING)</b></p> <p><b>READ THE PASSAGE BELOW AND ANSWER THE FOLLOWING QUESTIONS</b></p> <p>Vegetarianism promotes a natural way of life. But despite its implicit message of universal love and non-violence it has not spread, as it should have. This may be because it usually is an inward-looking habit and is best cultivated in mind. Leading a vegetarian way of life helps the animal kingdom to co-exist with man. The animals supply milk, manure and energy. This has been centred to the Indian culture for thousands of years. A vegetarian lifestyle is natural, multifaceted and helps self-preservation in a healthy way. Food and health are closely related.</p> <p>In India, a vegetarian is usually a lacto-vegetarian. In the western world vegetarians are sub-divided as “Vegans” (pure vegetarians who do not take any food coming from animal kingdom), lacto-vegetarians who use dairy products of the vegetable kingdom and lacto-ova-vegetarians. The last category includes eggs, in addition to dairy products.</p> <p>The western science of food considers food as something to sustain only the human body, whereas the Indian science considers food as something which sustains not only the body, but also maintains the purity of heart, mind and the soul. Thus an item of food which is injurious to the mind is not considered to be fit for consumption, even if it is otherwise beneficial to the body and its virility.</p> <p>In most sports disciplines, vegetarians lead in endurance tests. “You are what you eat” is an old saying and it is a fact that it is the food that makes the man. The food we eat, its quality, quantity, its timing and combination- is of utmost importance to healthy life.</p> <p>i) Why has vegetarianism not spread?<br/>ii) How are vegetarians classified in the western world?<br/>iii) Besides sustaining the body, what else does Indian science consider necessary for food intake?<br/>iv) What is the utmost importance about food to lead a</p> | 5X1=5M |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|

|                | <p>healthy life?</p> <p>a) Its quality</p> <p>b) Its quantity</p> <p>c) Its timing and combination</p> <p>d) All of the above</p> <p>v) Choose the synonym for the word “endurance” from the following:</p> <p>a) Humility</p> <p>b) Continuation</p> <p>c) Tolerance</p> <p>d) Preservation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|-------|-------|-------|-------|--------|-------|-----------|------|-------|------|-----------|------|--------|------|---------------|------|--------|
| Q2             | <p>Read the following passage and answer the questions</p> <p>1. Read the following passage carefully.</p> <p style="text-align: center;"><b>India's Tea Industry</b></p>  <table><caption>World wide survey of tea growing</caption><tr><th>Country/Region</th><th>Percentage</th></tr><tr><td>China</td><td>24.6%</td></tr><tr><td>India</td><td>22.4%</td></tr><tr><td>Others</td><td>16.2%</td></tr><tr><td>Sri Lanka</td><td>9.8%</td></tr><tr><td>Kenya</td><td>9.4%</td></tr><tr><td>Indonesia</td><td>5.3%</td></tr><tr><td>Turkey</td><td>4.9%</td></tr><tr><td>Latin America</td><td>2.4%</td></tr></table> <p style="text-align: center;">World wide survey of tea growing</p> <p>Scanned with CamScanner</p> <p>1. India is the second largest producer of tea in the Asia Pacific region and the largest consumer of the beverage, despite this, India exports the most tea, after China and Kenya.</p> <p>2. Commercial tea plantations in the country were first established by the British East India Company. Most tea varieties found in the country are named after the regions they are cultivated. Due to its geographical origin, Darjeeling tea became the first Indian product to receive a geographical Indication tag in 2004-2005. Indian tea that is a global favourite comes from Darjeeling in West Bengal and Assam.</p> <p>3. Tea drinking in India has evolved in many ways. While tea or “chai” is usually brewed from loose tea leaves, sugar, and milk a variety of spices is added to make it more flavourful. Some regional favourites include</p> | Country/Region | Percentage | China | 24.6% | India | 22.4% | Others | 16.2% | Sri Lanka | 9.8% | Kenya | 9.4% | Indonesia | 5.3% | Turkey | 4.9% | Latin America | 2.4% | 5X1=5M |
| Country/Region | Percentage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
| China          | 24.6%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
| India          | 22.4%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
| Others         | 16.2%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
| Sri Lanka      | 9.8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
| Kenya          | 9.4%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
| Indonesia      | 5.3%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
| Turkey         | 4.9%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |
| Latin America  | 2.4%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |            |       |       |       |       |        |       |           |      |       |      |           |      |        |      |               |      |        |



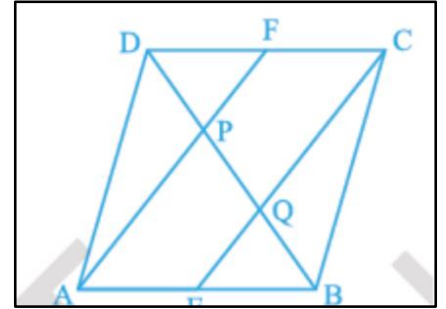
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|           | <ul style="list-style-type: none"> <li>• Born on 7 November 1888 in Madras.</li> <li>• Physician by profession.</li> <li>• Worked in the field of light scattering.</li> <li>• The discovery is known as Raman Effect.</li> <li>• Won Nobel Prize in 1930.</li> <li>• Elected 'Fellow of The Royal Society' in 1924.</li> <li>• In 1954 India honoured him with its highest civilian award Bharat Ratna.</li> <li>• Died on 21 November 1970.</li> </ul> <p style="text-align: center;"><b>OR</b></p> <p>ii) Two friends were passing through a dense forest. Suddenly they heard some animal screaming..... complete the story in your own words.</p>              |               |
| <b>Q4</b> | <p style="text-align: center;"><b>GRAMMAR (5M)</b></p> <p><b>CHOOSE THE CORRECT OPTION 2M</b></p> <p>i) We ..... chocolates as desert in the party.<br/>a) eat (b) ate (c) eaten</p> <p>ii) Prachi ..... work hard as one week is left for her CA examination.<br/>a) should b) has to c) had to</p> <p>iii) in each of the following sentences there is an error. Find out the error and give the correction. 3M</p> <p style="text-align: center;"><b>ERROR</b></p> <p style="text-align: center;"><b>CORRECTION</b></p> <p>It were dark and cold in the garden .....<br/>Rain is falling. A damp cutting wind .....<br/>Were racing through the garden. ....</p> | <b>5X1=5M</b> |
| <b>Q5</b> | <p style="text-align: center;"><b>LITERATURE (20M)</b></p> <p><b>Read the passage below and answer the following questions. (Attempt Any one passage).</b></p> <p>Describing her feelings when she was literally 'on top of the world', Santosh has said, "It took some time for the enormity of the moment to sink in Then, I unfurled the Indian Tricolour and held it on the roof of the world."</p> <p><b>Questions :</b></p> <p>i) 'On top of the world' refers to .....<br/>a) Feeling excited c) reaching the Everest<br/>b) Feeling important</p> <p>ii) The word 'Literally' means .....<br/>a) Actually b) symbolically c) fairly</p>                     | <b>4X1=4M</b> |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|           | <p>(iii) Whose feelings are described in the above passage?<br/> (iv) What did Santosh do in the final moments at the top of the Everest?</p> <p style="text-align: center;"><b>OR</b></p> <p><i>It takes much time to kill a tree<br/> Not a simple jab of the knife<br/> Will do it. It has grown<br/> Slowly consuming the earth<br/> Rising out of it, feeding<br/> Upon its crust, absorbing<br/> Rears of sunlight, air, water<br/> And out of its leprous hide<br/> Sprouting leaves</i></p> <p>(a) What will a simple jab of knife not do?<br/> (b) What are the things that help a tree to grow strong?<br/> (c) What is the irony in the first two lines of the extract?<br/> (d) Explain: 'And out of its leprous hide sprouting leaves'.</p> |               |
| <b>Q6</b> | <p><b>Attempt ANY TWO questions from the following in about 50-60 words.</b></p> <p>i) Name the two temples the author visited in Kathmandu. Compare and contrast the atmosphere in and around both the temples?</p> <p>ii) "Rolled round in Earth's diurnal course". Explain.</p> <p>iii) "A slumber did my spirit seal" says the poet. How does the poet react to his loved one's death? Does he feel bitter grief or does he feel great peace?</p>                                                                                                                                                                                                                                                                                                    | <b>2X3=6M</b> |
| <b>Q7</b> | <p><b>Attempt ANY TWO of the following questions:</b></p> <p>i) Why did the swallow not leave the prince and go to Egypt?</p> <p>ii) What are the precious things mentioned in the story? Why are they precious?</p> <p>iii) What is Johnsy's illness? What can cure her, the medicine or the willingness to live?</p>                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>2X2=4M</b> |
| <b>Q8</b> | <p><b>Attempt ANY ONE of the following questions:</b></p> <p>i) How can one kill a tree?</p> <p>ii) The story "The Last Leaf" is a story of supreme sacrifice by an old artist. Do you agree? What makes a masterpiece- money value or the supreme sacrifice?</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>1X6=6M</b> |

# WINTER BREAK HOLIDAYS HOMEWORK

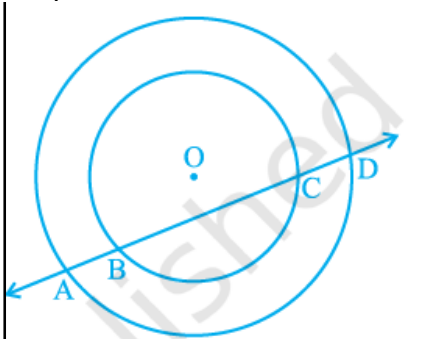
## • QUADRILATERAL

1. If ratio of the angle of a quadrilateral are 3:4:5:6 then find each angle of a quadrilateral.
2. If the diagonals of a parallelogram are equal, then show that it is a rectangle.
3. ABCD is a rhombus and P, Q, R and S are the mid-points of the sides AB, BC, CD and DA respectively. Show that the quadrilateral PQRS is a rectangle.
4. In a parallelogram ABCD, E and F are the mid-points of sides AB and CD respectively. Show that the line segments AF and EC trisect the diagonal BD



## • Circle

1. If the non parallel sides of a trapezium is equal, prove that it is a cyclic?
2. prove that a cyclic parallelogram is a rectangle.
3. If a line intersects two concentric circles (circles with the same centre) with centre O at A, B, C and D, prove that  $AB = CD$



4. In Fig. 10.38,  $\angle ABC = 69^\circ$ ,  $\angle ACB = 31^\circ$ , find  $\angle BDC$ .

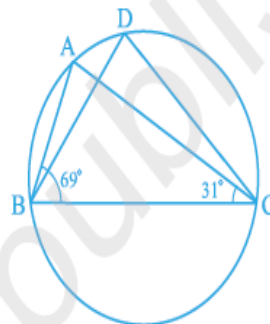
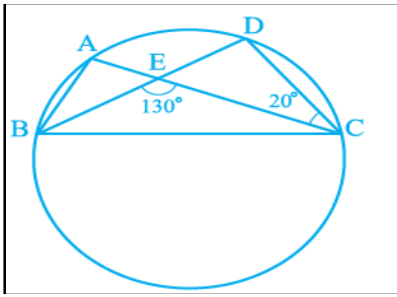


Fig. 10.38

5. A, B, C and D are four points on a circle. AC and BD intersect at a point E such that  $\angle BEC = 130^\circ$  and  $\angle ECD = 20^\circ$ . Find  $\angle BAC$ .



### **THEOREM**

- 1. Equal chords of a circle subtend equal angles at the Centre of the circle.**
- 2. The angle subtended by an arc at the Centre is double the angle subtended by it at any point on the remaining part of the circle.**
- 3. A diagonal of a parallelogram divides it into two congruent triangles.**

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – VI**  
**SOCIAL SCIENCE**

1. **What are the different ways through which we can judiciously use paper in the classrooms and offices of your school?**
2. **Let us suppose that you study in a village school. The school is located next to a highway and students find it difficult to cross the road when they come to school or leave at the end of the day. What are the options to solve this issue? Which institutions in the Panchayati Raj can help you? What can the students do?**
3. **What is the primary sector? How is it different from the secondary sector? Give two examples.**
4. **Locate and label the continents and oceans on the outline map of the world and paste in your notebook.**
5. **Let us go back to our initial trip from Chhota Nagpur to Prayagraj and Almora. Describe the three landforms you came across on the way.**
6. **What are Panchayati Raj institutions? What are their functions?**
7. **How are economic activities classified? Explain with examples.**
8. **What is a Civilisation? What are the main characteristics of a ‘Civilisation’? Explain any five.**
9. **Learn and revise all the chapters coming in PT – 2 Examination (2025-26).**

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS - VII**  
**SOCIAL SCIENCE**

1. How does the land become sacred?
2. What is the barter system and how does it work? Explain with an example.
3. Explain major problems of the barter system with examples.
4. From the various sacred sites of India, select two of your choice and explain their significance.
5. Why is the Gupta period known as the 'Golden Age' of India?
6. Who were Pallavas and where did they rule?
7. What does Sangam literature reveal about the society and culture of South India?
8. What are the main functions of money?
9. Practice the maps given in Social Science textbook Part-1. (Page no. 130 & 152)
10. Learn and revise all the chapters coming in PT-2 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – VIII**  
**SOCIAL SCIENCE**

1. What is meant by 'divide and rule? How did the British use this policy in India?
2. What were the main reasons for repeated famines under British rule?
3. What was the Ashta Pradhana Mandal? Make a diagram of the Ashta Pradhana Mandal.
4. What were Chauth and Sardeshmukhi?
5. Explain the political, economic, and cultural impacts of colonial rule on colonised regions.
6. Describe the strategies used by the British East India Company to expand its power in India.
7. One-word questions-
  - a. Who founded the Maratha kingdom?
  - b. What was the capital of the Yadava dynasty?
  - c. Which type of warfare did Shivaji famously use?
  - d. What was the official title Shivaji adopted after his coronation?
  - e. Which Mughal general did Shivaji defeat at Surat?
  - f. Who led the Maratha resistance after Rajaram's death?
  - g. Name the tax that was 25% of revenue collected by the Marathas.
  - h. Which Maratha queen rebuilt the Kashi Vishwanath temple?
  - i. What was the name of Shivaji's council of eight ministers?
  - j. Which Maratha naval leader was called a 'pirate' by Europeans?
8. Practice the maps given in Social Science textbook Part-1. (Page no. 68 & 71)
9. Learn and revise all the chapters coming in PT- 2 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – IX**  
**SOCIAL SCIENCE**

1. What promises did Hitler make to the German people?
2. Describe the effect of the Great Economic depression on Germany?
3. Describe any five features of the northern plains of India.
4. Explain the characteristics of the cold weather season.
5. What are the challenges to free and fair elections in India?
6. Explain the different key words used in the Preamble of the Indian Constitution.
7. 'Prime Minister is the head of the government'. Justify this statement.
8. What are the main features of the National Rural Employment Guarantee Act 2005?
9. Write notes on:
  - A) Minimum Support Price
  - B) Buffer Stock
  - C) Antyodaya Anna Yojana (AAY)
  - D) Public Distribution System (PDS)
10. Practice the maps given in History and Geography textbook. (According to CBSE Map work curriculum)
11. Learn and revise all the chapters coming in PT- 3 Examination (2025-26).

**HOLIDAY HOMEWORK**  
**WINTER BREAK (23.12.2025 to 01.01.2026)**  
**CLASS – X**  
**SOCIAL SCIENCE**

1. Explain the measures and practices introduced by the French revolutionaries to create a sense of collective identity amongst the French people.
2. Do Map practice of History and Geography. (According to CBSE Map work curriculum)
3. “The silk routes are a good example of pre-modern trade and cultural links between distant parts of the world.” Explain with examples.
4. What are the main features of the National Rural Employment Guarantee Act 2005?
5. Compare the employment conditions prevailing in the organized and unorganized sectors.
6. Explain the significance of the Reserve Bank of India in the Indian economy.
7. What is globalization? There are many factors which enabled the globalization. Explain any three such factors that have enabled globalisation.
8. What is meant by manufacturing? How is it important for a country’s economy? Write any four points.
9. Explain the provisions that have been made towards decentralization in India after the Constitutional Amendment in 1992.
10. Describe any five steps taken by the government of India to increase the productivity of agriculture in India.
11. What is power sharing? Give reasons why power sharing is desirable.
12. Learn and revise all the chapters coming in 2<sup>nd</sup> Pre-Board Examination (2025-26).

PM SHRI KENDRIYA VIDYALAYA  
RATLAM

**WINTER VACATION**

HOME WORK

2025-26

CLASS -11

केन्द्रीय विद्यालय संगठन जयपुर संभाग  
Kendriya Vidyalaya Sangathan, Jaipur Region  
सत्रांत परीक्षा 2023-24

Session Ending Examination 2023-24

कक्षा: XI

विषय: अर्थशास्त्र

विषय कोड: 030

सेट न: 1

Class: XI

Subject: Economics

Subject Code:030

Set No: 1

अधिकतम अंक 80

अवधि: 3 घंटे

Max Marks 80

Duration: 3 Hours

सामान्य निर्देश-

1. इस प्रश्न पत्र में दो खंड हैं:

खंड (अ) - अर्थशास्त्र में सांख्यिकी

खंड (ब) - परिचयात्मक व्यष्टिअर्थशास्त्र

2. इस प्रश्न पत्र में 20 बहुविकल्पीय प्रकार के प्रश्न हैं, जिनमें से प्रत्येक 1 अंक का है।

3. इस प्रश्न पत्र में 3 अंकों के 4 लघु उत्तरीय प्रश्न हैं, जिनका उत्तर 60 से 80 शब्दों में देना है।

4. इस प्रश्न पत्र में 4 अंकों के 6 लघु उत्तरीय प्रश्न हैं, जिनका उत्तर उत्तर 80 से 100 शब्दों में देना है।

5. इस पेपर में 6 अंकों के 4 दीर्घ उत्तरीय प्रश्न हैं, जिनका उत्तर उत्तर 100 से 150 शब्दों में देना है।

General Instructions-

1. This question paper contains two sections:

Section A – STATISTICS FOR ECONOMICS

Section B – INTRODUCTORY MICROECONOMICS

2. This paper contains 20 Multiple Choice Questions of 1 mark each.

3. This paper contains 4 Short Answer Questions of 3 marks each to be answered in 60 to 80 words.

4. This paper contains 6 Short Answer Questions of 4 marks each to be answered in 80 to 100 words.

5. This paper contains 4 Long Answer Questions of 6 marks each to be answered in 100 to 150 words.

**खंड (अ) अर्थशास्त्र में सांख्यिकी**

**Section-(A) Statistics For Economics**

| प्रश्न सं | प्रश्न                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | अंक   |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Q.No      | Question                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Marks |
| Q.1       | आप विद्यालय के छात्रों के बीच किसी फिल्म स्टार की लोकप्रियता के बारे में जानना चाहते हैं। इसके लिए आपको बड़ी संख्या में विद्यालय के विद्यार्थियों से प्रश्न पूछकर वांछित जानकारी एकत्रित करनी होगी। आपको जो आकड़े मिलते हैं, वह इसका एक उदाहरण है<br>(अ) प्राथमिक आकड़े (ब) द्वितीयक आकड़े (स) प्रश्नावली (द) अपरिष्कृत आकड़े<br>You want to know about the popularity of a film star among school students. For this, you will have to enquire from a large number of school students, by asking questions from them to collect the desired information. The data you get, is an example of<br>(a) Primary data (b) Secondary data (c) Questionnaire (d) Raw data | 1     |
| Q.2       | जनसंख्या का सबसे पूर्ण और जनसांख्यिकीय रिकॉर्ड प्रदान करने के लिए किस प्रकार का सर्वेक्षण आयोजित किया जाएगा?<br>(अ) पायलट सर्वेक्षण (ब) प्रतिदर्श सर्वेक्षण (स) जनगणना सर्वेक्षण (द) इनमें से कोई नहीं<br>Which type of survey will be conducted to provide most complete and demographic record of population ?                                                                                                                                                                                                                                                                                                                                                   | 1     |

(a) pilot survey (b) sample survey (c) census survey (d) None of these

Q.3 निम्नलिखित कथन पढ़ें:

1

कथन अ: सहसंबंध के गुणांक का मान +1 और -1 के बीच होता है

कथन ब: +1 सहसंबंध पूर्ण सकारात्मक सहसंबंध को इंगित करता है और -1 कोई सहसंबंध नहीं दर्शाता है

सही विकल्प का उत्तर दें:

(अ) कथन अ सत्य है और कथन ब गलत है

(ब) कथन अ गलत है और कथन ब सत्य है

(स) दोनों कथन सही हैं

(द) दोनों कथन गलत हैं

Read the following statements:

**Statement A:** The value of coefficient of correlation varies between +1 and -1

**Statement B:** +1 correlation indicates perfect positive correlation and -1 indicates no correlation

Answer the correct option:

(a) Statement A is true and statement B is false

(b) Statement A is false and statement B is true

(c) Both the statements are true

(d) Both the statements are false

Q.4 श्रृंखला की उच्चतम आवृत्ति वाला अवलोकन है

1

(अ) माध्य (ब) मध्यिका (स) बहुलक (द) सहसंबंध

The observation with the highest frequency of the series is

(a) mean (b) median (c) mode (d) correlation

**OR**

निम्नलिखित में से कौन केन्द्रीय प्रवृत्ति का माप नहीं है?

(अ) माध्य (ब) मध्यिका (स) बहुलक (द) सहसंबंध

(आ) Which of the following is not a measure of central tendency?

(a) mean (b) median (c) mode (d) correlation

Q.5 सूचकांक संख्या को परिभाषित करें।

1

Define Index Number.

Q.6 यदि दो चर X एवं Y के बीच सहसंबंध धनात्मक है तो चर X एवं Y के बीच संबंध निम्न प्रकार का होगा:

1

अ) जब Y में वृद्धि होगी तो X में वृद्धि होगी

ब) जब Y में कमी होगी तो X में वृद्धि होगी

स) जब Y में वृद्धि होगी तो X में परिवर्तन नहीं होगा

द) जब X में वृद्धि होगी तो Y में परिवर्तन नहीं होगा

If correlation between two variables X and Y is positive then relation between X and Y is of the type:

- a. When Y increases X increases
- b. When Y decreases X increases
- c. When Y increases X does not change
- d. When X increases Y does not change

- Q.7 यदि श्रृंखला का माध्यिका 20 और माध्य 25 है, तो बहुलक का मान होगा 1  
If median of the series is 20 and mean is 25, the value of mode will be  
(a) 30.5 (b) 10 (c) 15.5 (d) 20.5
- Q.8 सांख्यिकी को एक वचन के सन्दर्भ में परिभाषित कीजिये। 1  
Define statistics in terms of singular sense.
- Q.9 पूर्ण धनात्मक सह-संबंध का प्रकीर्ण आरेख बनाएं। 1  
Draw scattered diagram of perfect positive correlation.
- Q.10 एक अच्छी प्रश्नावली होनी चाहिए 1  
अ) कम प्रश्न (ब) सामान्य से विशिष्ट की ओर  
(स) बहुविकल्पीय प्रश्न (द) ये सभी  
A good questionnaire should have  
(a) less questions (b) general to specific  
(c) multiple choice questions (d) all of these
- Q.11 निम्नलिखित को ध्यानपूर्वक पढ़ें तथा सामान्य समझ के आधार पर दिए गए प्रश्नों के उत्तर 1+1+1  
दें-  
प्रतिदर्श प्रारूप कानूनी अनुसंधान में आंकड़े संग्रह का एक महत्वपूर्ण उपकरण होने के साथ-साथ लचीला तरीका भी है। जब भी कुल जनसंख्या का अध्ययन करना कठिन होता है, तो शोध करना मुश्किल हो जाता है, शोधकर्ता के पास कुल जनसंख्या में से विशेष भाग या प्रतिदर्श चुनने का विकल्प होता है। इस प्रक्रिया को प्रतिदर्श विधि कहा जाता है और उस भाग को प्रतिदर्श कहा जाता है। इस पद्धति का उपयोग कानूनी अनुसंधान के साथ-साथ सामाजिक विज्ञान अनुसंधान में भी किया जाता है। प्रतिदर्श बनाने का मुख्य उद्देश्य छोटे प्रतिदर्श से समग्र जनसंख्या के बारे में अनुमान लगाना है। जनसंख्या से बड़े प्रतिदर्श लेकर प्रतिचयन त्रुटि को कम किया जा सकता है।  
निम्न को परिभाषित कीजिये  
i) प्रतिदर्श विधि  
ii) प्रतिचयन त्रुटि  
iii) यादृच्छिक और अयादृच्छिक प्रतिदर्श  
Read the following text carefully and answer the given questions on the basis of the same and common understanding.  
Sampling design is an important tool as well as flexible method of data collection in the legal research. Whenever it is difficult to study of entire universe or total population that he purposes it gets difficult to do the research, the researcher having an option to particular portion or select sample out of total population. This process is called as sampling method and that portion is called as sample. This method is used in legal research as well as in social science research. The main objective of drawing a sample

is to make inferences about the larger population from the smaller sample. Sampling error can be minimised by taking large samples from population.

Define the following -

- i) Sampling method
- ii) Sampling error
- iii) Random and non random sampling

Q.12 निम्नलिखित आंकड़ों से सरल समूहित विधि का उपयोग करके सरल सूचकांक संख्या का निर्माण करें-

3

Construct simple Index number using Simple aggregative method from the following data-

| Goods<br>वस्तु | Price in year 2015<br>कीमत 2015 में | Price in year 2023<br>कीमत 2023 में |
|----------------|-------------------------------------|-------------------------------------|
| A              | 10                                  | 15                                  |
| B              | 12                                  | 15                                  |
| C              | 8                                   | 10                                  |
| D              | 15                                  | 18                                  |
| E              | 5                                   | 8                                   |

Q.13 घर के निर्माण पर व्यय की निम्नलिखित जानकारी दर्शाने के लिए एक पाई आरेख बनाएं  
Draw a pie diagram to represent the following information of expenditure on construction of a house

4

| Items of expenditure | Cement | Bricks | Iron | other |
|----------------------|--------|--------|------|-------|
| Expenditure          | 300    | 250    | 400  | 50    |

OR

दिए गए आंकड़ों का 'से कम' और 'से अधिक' तोरण (ओजाइव) बनाइये

Draw 'less than' and 'more than' ogive of the given data

| Marks           | 0-5 | 5-10 | 10-15 | 15-20 | 20-25 | 25-30 | 30-35 |
|-----------------|-----|------|-------|-------|-------|-------|-------|
| No. of students | 10  | 12   | 16    | 20    | 14    | 10    | 8     |

Q.14 अपवर्जी श्रेणी और समावेशी श्रेणी में अंतर को उदाहरण सहित समझाओ ।

4

Write difference between exclusive series and inclusive series. Give example also.

Q.15 माध्यिका और बहुलक के दो-दो गुण लिखिए

2+2

Write two merits of each median and mode.

- Q.16 निम्नलिखित आँकड़ों की सहायता से कार्ल पियर्सन का सह सम्बन्ध गुणांक ज्ञात कीजिये।  
Calculate the Karl Pearson's coefficient of correlation with the help of data given below:

|          |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|
| <b>X</b> | 12 | 13 | 10 | 17 | 13 | 16 | 10 |
| <b>Y</b> | 8  | 5  | 3  | 13 | 10 | 9  | 15 |

OR

निम्नलिखित आँकड़ों की सहायता से स्पीयरमैन का कोटि सह सम्बन्ध गुणांक ज्ञात कीजिये।  
Find Spearman's rank difference correlation with the help of following schedule

|                            |    |    |    |    |    |    |    |    |    |
|----------------------------|----|----|----|----|----|----|----|----|----|
| <b>Marks in Economics</b>  | 45 | 54 | 68 | 68 | 72 | 27 | 86 | 35 | 55 |
| <b>Marks in Statistics</b> | 39 | 93 | 48 | 48 | 84 | 36 | 48 | 59 | 95 |

- Q.17 पद विचलन विधि का उपयोग करके निम्नलिखित आँकड़ों से माध्य की गणना करें Calculate mean from the following data using step deviation method.

|                     |     |      |       |       |       |       |       |       |
|---------------------|-----|------|-------|-------|-------|-------|-------|-------|
| <b>X(वर्गान्तर)</b> | 0-5 | 5-10 | 10-15 | 15-20 | 20-25 | 25-30 | 30-35 | 35-40 |
| <b>F(आवृत्ति)</b>   | 2   | 5    | 7     | 13    | 21    | 16    | 8     | 3     |

### खंड (ब) परिचयात्मक व्यष्टिअर्थशास्त्र

### Section-B Introductory Microeconomics

- Q.18 निम्नलिखित प्रश्नों में अभिकथन (ए) के बाद कारण (आर) का कथन आता है। नीचे दिए गए विकल्पों में से सही विकल्प चुनें:

विकल्प:

- (अ) अभिकथन (ए) और कारण (आर) दोनों सत्य हैं और कारण (आर) अभिकथन (ए) का सही स्पष्टीकरण है।  
(ब) अभिकथन (ए) और कारण (आर) दोनों सत्य हैं और कारण (आर) अभिकथन (ए) का सही स्पष्टीकरण नहीं है।  
(स) अभिकथन (ए) सत्य है लेकिन कारण (आर) असत्य है।  
(द) अभिकथन (ए) असत्य है लेकिन कारण (आर) सत्य है।

अभिकथन (ए): क्रमिक उपयोगिता विश्लेषण में, संतुलन वहां होता है जहां  $MRS > P_x/P_y$

कारण (आर): संतुलन के स्तर पर उदासीनता वक्र मूल बिंदु की ओर उन्नतोदर होता है।

In the following questions a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct alternative among those given below:

Alternatives:

- (a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)  
(b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A)  
(c) Assertion (A) is true but Reason (R) is false  
(d) Assertion (A) is false but Reason (R) is true

Assertion (A): In ordinal utility analysis, equilibrium strikes where  $MRS > P_x/P_y$

Reason (R) : At the level of equilibrium IC is convex to the origin.

- Q.19 यदि किसी फर्म के उत्पादन विभाग के आंकड़े कहते हैं कि 8 इकाइयों और 10 इकाइयों के उत्पादन के लिए कुल परिवर्ती लागत क्रमशः 2,500 और 3,000 है, तो 10वीं इकाई की सीमांत लागत होगी  
 अ) 100    ब) 150    स) 500    द) 250

If a firm's production department data says that the total variable cost for producing 8 units and 10 units of output is 2,500 and 3,000 respectively, marginal cost of 10th unit will be

- a. 100    b. 150    c. 500    d. 250

- Q.20 \_\_\_\_\_ आर्थिक विश्लेषण में, हम अध्ययन करते हैं कि विभिन्न तंत्र कैसे कार्य करते हैं, और \_\_\_\_\_ आर्थिक विश्लेषण में, हम यह समझने का प्रयास करते हैं कि क्या ये तंत्र वांछनीय हैं या नहीं।

(अ) सकारात्मक, आदर्शक    (ब) आदर्शक, सकारात्मक

(स) सकारात्मक, सकारात्मक    (द) आदर्शक, आदर्शक

In \_\_\_\_\_ economic analysis, we study how the different mechanisms function, and in \_\_\_\_\_ economics, we try to understand whether these mechanisms are desirable or not.

- (a) positive, normative    (b) normative, positive  
 (c) positive, positive    (d) normative, normative

- Q.21 प्राथमिकताओं या रैंकिंग के संदर्भ में मापी गई उपयोगिता को \_\_\_\_\_ उपयोगिता के रूप में जाना जाता है-

(अ) गणनावाचक    (ब) क्रमवाचक    (स) कुल    (द) सीमांत

Utility measured in terms of preferences or ranking is known as \_\_\_\_\_ utility

- (a) cardinal    (b) ordinal    (c) total    (d) marginal

**या OR**

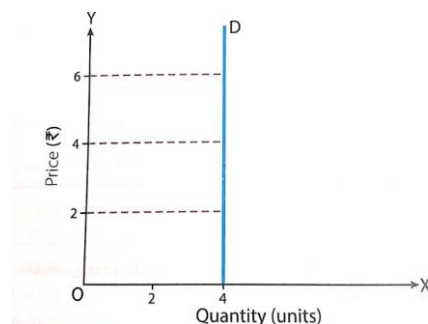
उपभोक्ता संतुलन किसी वस्तु के उपभोग से अधिकतम \_\_\_\_\_ पर निर्भर करता है।

(अ) लाभ    (ब) राजस्व    (स) लागत    (द) संतुष्टि

Consumer equilibrium depends upon maximum \_\_\_\_\_ from consumption of a commodity.

- (a) profit    (b) revenue    (c) cost    (d) satisfaction

- Q.22



उपरोक्त चित्र में मांग की लोच है-

- (अ) पूर्णतः लोचदार    (ब) पूर्णतया बेलोचदार    (स) लोचदार    (द) बेलोचदार

In the above diagram the elasticity of demand is

(a) perfectly elastic (b) perfectly inelastic (c) elastic (d) inelastic

Q.23 निम्नलिखित कथन पढ़ें:

1

कथन अ: पूर्ण प्रतिस्पर्धी बाजार के तहत काम करने वाली एक फर्म हमेशा कीमत स्वीकार करने वाली होती है, कीमत निर्धारित करने वाली नहीं।

कथन ब: पूर्ण प्रतिस्पर्धी बाजार के तहत काम करने वाली फर्मों में AR और MR वक्र क्षैतिज होता है।

सही विकल्प चुनें:

(अ) कथन अ सत्य है और कथन ब असत्य है ।

(ब) कथन अ असत्य है और कथन ब सत्य है ।

(स) दोनों कथन सही हैं ।

(द) दोनों कथन गलत हैं ।

Read the following statements:

**Statement A:** A firm operating under perfect competitive market is always price taker not price maker.

**Statement B:** Firms operating under perfect competitive market has horizontal AR and MR curve.

**Choose the correct option:**

(a) Statement A is true and statement B is false

(b) Statement A is false and statement B is true

(c) Both the statements are true

(d) Both the statements are false

Q.24 निम्नलिखित प्रश्नों में अभिकथन (ए) के बाद कारण (आर) का कथन आता है। नीचे दिए गए विकल्पों में से सही विकल्प चुनें:

1

विकल्प:

(अ) अभिकथन (ए) और कारण (आर) दोनों सत्य हैं और कारण (आर) अभिकथन (ए) का सही स्पष्टीकरण है ।

(ब) अभिकथन (ए) और कारण (आर) दोनों सत्य हैं और कारण (आर) अभिकथन (ए) का सही स्पष्टीकरण नहीं है ।

(स) अभिकथन (ए) सत्य है लेकिन कारण (आर) असत्य है ।

(द) अभिकथन (ए) असत्य है लेकिन कारण (आर) सत्य है ।

अभिकथन (ए): जब किसी वस्तु की कीमत बढ़ती है, तो उसके स्थानापन्न वस्तु की मांग बढ़ जाती है और इसके विपरीत।

कारण (आर): स्थानापन्न वस्तुएँ वे वस्तुएँ हैं जिन्हें उपयोग के लिए आपस में बदला जा सकता है।

In the following questions a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct alternative among those given below:

Alternatives:

(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)

(b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A)

(c) Assertion (A) is true but Reason (R) is false

(d) Assertion (A) is false but Reason (R) is true

Assertion (A): When price of a good increases, demand for its substitute good rises and vice versa.

Reason (R): Substitute goods are those goods which can be interchanged for use.

Q.25 बताइए सत्य है या असत्य-

1

पूर्ण प्रतिस्पर्धा के तहत उत्पादक अलग-अलग खरीददारों से अलग-अलग कीमतें वसूल सकते हैं। (सत्य / असत्य)

State whether true or false-

Producers under perfect competition can charge different prices from different buyers. (True/False)

Q.26 बाज़ार संतुलन एक ऐसी स्थिति है जहाँ-

1

(अ) बाजार मांग = बाजार आपूर्ति (ब) बाजार मांग > बाजार आपूर्ति

(स) बाजार की मांग < बाजार आपूर्ति (द) उपरोक्त में से कोई नहीं

Market equilibrium is a situation where

(a) market demand = market supply (b) market demand > market supply

(c) market demand < market supply (d) None of the above

Q.27 कॉलम I और कॉलम II में दिए गए कथनों के सैट से, कथनों की सही जोड़ी चुनें:

1

| कॉलम-I                                     | कॉलम II                                                                |
|--------------------------------------------|------------------------------------------------------------------------|
| अ-बाज़ार                                   | (i) कोई भी भौगोलिक क्षेत्र जहां सामान बेचा और खरीदा जाता है            |
| ब-पूर्ण प्रतिस्पर्धा                       | (ii) एक व्यक्तिगत खरीदार या विक्रेता का कीमत पर पूर्ण नियंत्रण होता है |
| स- एक पूर्ण प्रतिस्पर्धी फर्म का मांग वक्र | (iii) X-अक्ष के समानांतर एक क्षैतिज सीधी रेखा                          |
| द पूर्ण प्रतिस्पर्धा के तहत एक फर्म        | (iv) एक मूल्य निर्माता                                                 |

(अ) अ-(i) (ब) ब-(ii) (स) स-(iii) (द) द-(iv)

From the set of statements given in Column I and Column II, choose the correct pair of statements:

| Column-I                                       | Column II                                                        |
|------------------------------------------------|------------------------------------------------------------------|
| A-Market                                       | (i) Any geographical area where goods are sold and purchased     |
| B-Perfect competition                          | (ii) An individual buyer or a seller has full control over price |
| C-Demand curve of a perfectly competitive firm | (iii) A horizontal straight line parallel to X-axis              |
| D-A firm under perfect competition             | (iv) A price maker                                               |

(a) A-(i) (b) B-(ii)

(c) C-(iii) (d) D-(iv)

Q.28 सीमांत अवसर लागत को परिभाषित करें। एक काल्पनिक संख्यात्मक उदाहरण से अवधारणा को स्पष्ट करें। 1+2

Define Marginal Opportunity Cost. Explain the concept with a hypothetical numerical example.

Q.29 एक कारक के प्रतिफल के अंतर्गत सीमांत भौतिक उत्पाद के व्यवहार का वर्णन करें। 3  
State the behaviour of Marginal Physical Product, under Returns to a Factor.

Q.30 निम्नलिखित परिस्थिति में वस्तु X की मांग की लोच की डिग्री पर टिप्पणी करें, यदि वस्तु की कीमत 5 रु प्रति यूनिट से बढ़कर 7 रु प्रति यूनिट हो जाती है और मांग की मात्रा 20 इकाइयों से घटकर 16 इकाई हो जाती है: 2+2

i) कुल व्यय विधि का उपयोग करते हुए,

ii) प्रतिशत-परिवर्तन विधि का उपयोग करते हुए।

Comment upon the degree of elasticity of demand for Good X, in the following given situations, if the price of the commodity rises from Rs 5 per unit to Rs 7 per unit and the

quantity demanded falls from 20 units to 16 units :

i) Using the total expenditure method,

ii) Using percentage-change method.

**OR**

एक उपभोक्ता के पास दो वस्तुओं X और Y पर खर्च करने के लिए रु 500 की कुल आय है, दोनों वस्तुओं X और Y की कीमतें क्रमशः रु 50 और रु 10 प्रति यूनिट है। दी गई जानकारी के आधार पर, निम्नलिखित सवालों का जवाब दें:

अ) उपभोक्ता के लिए बजट रेखा का समीकरण दीजिए।

ब) बजट रेखा की ढलान का मान क्या है?

स) यदि उपभोक्ता को अपना सारा पैसा X वस्तु पर खर्च करना पड़े तो वह कितनी इकाइयाँ खरीद सकता है

द) यदि वस्तु Y की कीमत में 50% की गिरावट हो तो बजट रेखा कैसे बदलती है?

A consumer has total money income of Rs 500 to be spent on two goods X and Y with prices of Rs 50 and Rs 10 per unit respectively. On the basis of the given information, answer the following questions:

a. Give the equation of the budget line for the consumer.

b. What is the value of slope of the budget line?

c. How many units can the consumer buy if he is to spend all his money income on good X?

d. How does the budget line change if there is a 50% fall in price of good Y?

Q.31 मान लीजिए किसी वस्तु- X की मांग और आपूर्ति वक्र निम्नलिखित दो समीकरणों द्वारा एक साथ दिए गए हैं: 2+2

$$Q_d = 200 - p$$

$$Q_s = 50 + 2p$$

i) संतुलन कीमत और संतुलन मात्रा ज्ञात करें।

ii) मान लीजिए कि वस्तु X का उत्पादन करने वाले उत्पादन के एक कारक की कीमत बदल गई है, जिसके परिणामस्वरूप समीकरण द्वारा दिया गया नया आपूर्ति वक्र है

$$Q_s' = 80 + 2p$$

मूल संतुलन कीमत और संतुलन मात्रा के मुकाबले नई संतुलन कीमत और नई संतुलन मात्रा का विश्लेषण करें।

Suppose the demand and supply curves of a Commodity-X is given by the following two equations simultaneously:

$$Q_d = 200 - p$$

$$Q_s = 50 + 2p$$

i) Find the equilibrium price and equilibrium quantity.

ii) Suppose that the price of a factor of production producing the commodity has changed, resulting in the new supply curve given by the equation

$$Q_s' = 80 + 2p$$

Analyse the new equilibrium price and new equilibrium quantity as against the original equilibrium price and equilibrium quantity.

Q.32 निम्न तालिका को पूरा करें:

4

Complete the following schedule:

| Unit produced<br>(Q)<br>उत्पादित इकाई | Total product<br>(TP)<br>कुल उत्पाद | Average product<br>(AP)<br>औसत उत्पाद | Marginal product<br>(MP)<br>सीमांत उत्पाद |
|---------------------------------------|-------------------------------------|---------------------------------------|-------------------------------------------|
| 1                                     | 100                                 |                                       |                                           |
| 2                                     |                                     |                                       | 140                                       |
| 3                                     |                                     | 140                                   |                                           |
| 4                                     | 480                                 |                                       |                                           |

Q.33 एक वस्तु के लिए मांग की लोच को प्रभावित करने वाले किन्हीं चार कारकों की व्याख्या कीजिये।

6

Explain any four Factors affecting elasticity of Demand for a Good.

Q.34 उपयुक्त आरेख का उपयोग करके किसी वस्तु X के आपूर्ति वक्र पर निम्नलिखित के प्रभावों की जाँच कीजिये:

6

अ) वस्तु X की अपनी कीमत में गिरावट।

ब) वस्तु X का उत्पादन करने वाले कारक आगत की कीमत में वृद्धि।

Examine the effects of the following on the supply curve of a Good X, using suitable diagram:

a) fall in own price of Good X.

b) rise in price of factor input producing Good X

अथवा /OR

वैध कारणों सहित बताएं कि निम्नलिखित में से कौन सा कथन सत्य या असत्य है:

अ) जब कीमत घटती है तो सीमांत राजस्व वक्र x अक्ष के समानांतर होता है।

ब) आपूर्ति में वृद्धि का अर्थ है आपूर्ति वक्र पर ऊपर की ओर संचलन।

स) जब MR गिर रहा है लेकिन धनात्मक है, तो TR भी गिर रहा है और धनात्मक होगा।

State, with valid reasons, which of the following statement are true or false:

a. When price decreases marginal Revenue curve is parallel to x axis.

b. Increase in supply means upside movement on supply curve.

c. When MR is falling but positive, TR will also be falling and positive.

# PM SHRI KENDRIYA VIDYALAYA RATLAM

## WINTER BREAK HOLIDAY HOMEWORK

### PROJECTS (CBSE)

#### SESSION 2025-26 CLASS XI

### Project-

The Project-Portfolio must include the following:

- Cover page, with title of project, school details/details of students.
- Statement of purpose/objectives/goals
- Certificate of completion under the guidance of the teacher.
- Action plan for the completion of assigned tasks.
- Materials such as scripts for the theatre/role play, questionnaires for interview, written assignments, essays, survey-reports and other material evidence of learning progress and academic accomplishment.
- The 800-1000 words essay/Script/Report.
- Student/group reflections. If possible, Photographs that capture the positive learning experiences of the student(s).
- List of resources/bibliography.
- The following points will be crucial while assessing the project portfolios:
  - Quality of content of the project
  - Accuracy of information
  - Adherence to the specified timeline
  - Content in respect of (spellings, grammar, punctuation)
  - Clarity of thoughts and ideas
  - Creativity
  - Contributions by group members
  - Knowledge and experience gain

Material : FILE

#### ROLL NOS 01-05

##### TOPIC: THE ADDRESS

1. Briefly describe the consequences of the First & Second World War. Paste some pictures of both wars.
2. Write down the summary of the Lesson 'THE ADDRESS'. Paste some pictures also.
3. What is the theme of the lesson?
4. Who are the important characters of the story?
5. What message does the story convey.
6. Supplement your project by pasting pictures related to the incidents narrated in the chapter.
7. Write a few lines about the ongoing Ukraine- Russia war. Paste some pictures also.

#### ROLL NO 6-10

##### TOPIC: A PHOTOGRAPH

1. Write the poem in your file.
2. Write the summary of the poem.
3. Mention the poetic devices used in the poem by the poet. Mention them with examples from the poem.
4. Mention the rhyme scheme used by the poet in the poem.
5. Mention the PHASES OF LIFE suggested by the poet. Paste pics.
3. Write about the poet- SHIRLEY TOULSON – Her life, career, books/poems that she has written.
4. Paste pics in support of the poem.
5. What do you think is a Photograph? Why do we preserve photographs?
6. Do

photographs affect you? How?

7..What do you say about the poem ? Write your views about the poem.8.Write some exclusive quotations on the topic "PHOTOGRAPHS"

9.Write a song or a poem in English which is dedicated to the topic "PHOTOGRAPH"

#### **ROLL NO 11-15**

##### **TOPIC: ADVENTURE**

1.What is a travelogue?

2.What does a travelogue contain? 3.What is the format of a travelogue?4.Who writes it?

5. Mention some famous travelogues that have been written so far?6.Write down the Summary of adventure?

7.What is the message of the lesson?

8. What is the significance of the title ADVENTURE?

9.Draw/Paste pics showing the various stages in the development of the lesson .

10. Write your impression about time travel. Paste pictures also.

#### **ROLL NO 16-20 TOPIC: MOTHER'S DAY**

1.What is the genre of the piece? 2.Write a few words about the writer. 3.What moral issue does the story raise?4.Mention the theme of the story?

5.Write in your own words the summary of the story/play.6.Who are the characters in the story? Mention them.

7.Pick up a scene from the drama/play . Write a script for the scene.8.Give a pictorial representation of the play.

9. Draw/Paste the picture of the Pearson family. Draw a character sketch of Mrs Annie Pearson in a few lines.

10. "Mother is just like the air we breathe in". explain with reference to the lesson. Paste some pictures associated with the mother.

#### **ROLL NO 21-25**

##### **TOPIC : DISCOVERING TUT THE SAGA CONTINUES**

1.What message is conveyed through the lesson? 2.What do you think is the lesson all about?(Theme)3.What does the title of the lesson suggest?

4. What are the main events in the lesson?

5. Describe in your own way the character sketch of King TUT.

6. Elaborate the lesson with suitable pictures.

7.What do you know about the pyramids and mummies of Egypt? Describe them.Pastesome pictures.

8. What is CT Scan?What did it reveal about KING TUT.

9. Do you find the ending of the lesson appropriate. Yes/No. Give reasons in support of your answer.

#### **ROLL NO 26-30**

##### **TOPIC: THE SUMMER OF THE BEAUTIFUL WHITE HORSE**

1.How does the story begin? 2.Who is MOURAD in the story?

3.What is the HALLMARK OF GAROGLANIAN TRIBE in the story?4.What is the setting of the story?

5. What is the theme of the story ?
6. Do you think Mourad had stolen the horse?
7. Paste a map of Asia and Europe and Locate Armenia, Russia, Ukraine and Uzbekistan in it .
8. What are the points to remember from the lesson?
9. What message does the story convey in the end?
10. Draw/Paste pictures based on the lesson.
11. Paste some pictures of Tribal people like Gurzars, Bhotias, Boxas and Rajis from Uttarakhand.

#### **ROLL NOS 31-35**

##### **TOPIC: WE ARE NOT AFRAID TO DIE IF WE ALL BE TOGETHER**

1. Write ONE PAGE about the writer of the lesson .
2. What is the moral of the lesson?
3. Who are the important characters in the lesson
4. What are the issues that the lesson deals in?
5. Do you hold the view that the story is written in an excellent manner? Support your view by stating examples from the story. Paste some colourful pictures based on the lesson.
6. Describe the different parts of a ship? Draw a picture of a ship on sail.
7. What is the setting of the lesson?
8. What impression of the narrator do you form on reading the story?
9. State the different difficult terms used to describe the voyage.
10. Draw a map of the route undertaken by Captain James Cook and the narrator along with his family.

#### **ROLL NOS 36-37**

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1. Write a brief note on the biography of the poet.
2. Describe water cycle? Draw a colourful picture of water cycle.
3. Write down the conversation between the rain and the poet.
4. Describe your own experiences about rainy season. Paste some colourful pictures also.
5. Write down the gist/summary of the poem .
6. Write down a similar poem using some beautiful pictures.
7. Pick out the literary devices/poetic devices from the poem.

# PM SHRI KENDRIYA VIDYALAYA RATLAM

## WINTER BREAK HOLIDAY HOMEWORK

### PROJECTS (CBSE)

#### SESSION 2025-26 CLASS XI

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- The 800-1000 words essay/Script/Report.
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  - Accuracy of information
  - Adherence to the specified timeline
  - Content in respect of (spellings, grammar, punctuation)
  - Clarity of thoughts and ideas
  - Creativity
  - Contributions by group members
  - Knowledge and experience gain

Material : FILE

#### ROLL NOS 01-05

##### TOPIC: THE ADDRESS

1. Briefly describe the consequences of the First & Second World War. Paste some pictures of both wars.
2. Write down the summary of the Lesson 'THE ADDRESS'. Paste some pictures also.
3. What is the theme of the lesson?
4. Who are the important characters of the story?
5. What message does the story convey.
6. Supplement your project by pasting pictures related to the incidents narrated in the chapter.
7. Write a few lines about the ongoing Ukraine- Russia war. Paste some pictures also.

#### ROLL NO 6-10

##### TOPIC: A PHOTOGRAPH

1. Write the poem in your file.
2. Write the summary of the poem.
3. Mention the poetic devices used in the poem by the poet. Mention them with examples from the poem.
4. Mention the rhyme scheme used by the poet in the poem.
5. Mention the PHASES OF LIFE suggested by the poet. Paste pics.
3. Write about the poet- SHIRLEY TOULSON – Her life, career, books/poems that she has written.
4. Paste pics in support of the poem.
5. What do you think is a Photograph? Why do we preserve photographs?
6. Do

photographs affect you? How?

7..What do you say about the poem ? Write your views about the poem.8.Write some exclusive quotations on the topic "PHOTOGRAPHS"

9.Write a song or a poem in English which is dedicated to the topic "PHOTOGRAPH"

#### **ROLL NO 11-15**

##### **TOPIC: ADVENTURE**

1.What is a travelogue?

2.What does a travelogue contain? 3.What is the format of a travelogue?4.Who writes it?

5. Mention some famous travelogues that have been written so far?6.Write down the Summary of adventure?

7.What is the message of the lesson?

8. What is the significance of the title ADVENTURE?

9.Draw/Paste pics showing the various stages in the development of the lesson .

10. Write your impression about time travel. Paste pictures also.

#### **ROLL NO 16-20 TOPIC: MOTHER'S DAY**

1.What is the genre of the piece? 2.Write a few words about the writer. 3.What moral issue does the story raise?4.Mention the theme of the story?

5.Write in your own words the summary of the story/play.6.Who are the characters in the story? Mention them.

7.Pick up a scene from the drama/play . Write a script for the scene.8.Give a pictorial representation of the play.

9. Draw/Paste the picture of the Pearson family. Draw a character sketch of Mrs Annie Pearson in a few lines.

10. "Mother is just like the air we breathe in". explain with reference to the lesson. Paste some pictures associated with the mother.

#### **ROLL NO 21-25**

##### **TOPIC : DISCOVERING TUT THE SAGA CONTINUES**

1.What message is conveyed through the lesson? 2.What do you think is the lesson all about?(Theme)3.What does the title of the lesson suggest?

4. What are the main events in the lesson?

5. Describe in your own way the character sketch of King TUT.

6. Elaborate the lesson with suitable pictures.

7.What do you know about the pyramids and mummies of Egypt? Describe them.Pastesome pictures.

8. What is CT Scan?What did it reveal about KING TUT.

9. Do you find the ending of the lesson appropriate. Yes/No. Give reasons in support of your answer.

#### **ROLL NO 26-30**

##### **TOPIC: THE SUMMER OF THE BEAUTIFUL WHITE HORSE**

1.How does the story begin? 2.Who is MOURAD in the story?

3.What is the HALLMARK OF GAROGLANIAN TRIBE in the story?4.What is the setting of the story?

5. What is the theme of the story ?
6. Do you think Mourad had stolen the horse?
7. Paste a map of Asia and Europe and Locate Armenia, Russia, Ukraine and Uzbekistan in it .
8. What are the points to remember from the lesson?
9. What message does the story convey in the end?
10. Draw/Paste pictures based on the lesson.
11. Paste some pictures of Tribal people like Gurzars, Bhotias, Boxas and Rajis from Uttarakhand.

#### **ROLL NOS 31-35**

##### **TOPIC: WE ARE NOT AFRAID TO DIE IF WE ALL BE TOGETHER**

1. Write ONE PAGE about the writer of the lesson .
2. What is the moral of the lesson?
3. Who are the important characters in the lesson
4. What are the issues that the lesson deals in?
5. Do you hold the view that the story is written in an excellent manner? Support your view by stating examples from the story. Paste some colourful pictures based on the lesson.
6. Describe the different parts of a ship? Draw a picture of a ship on sail.
7. What is the setting of the lesson?
8. What impression of the narrator do you form on reading the story?
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## **SUBJECT : ACCOUNTANCY**

1. Make a comprehensive project based on 11<sup>th</sup> with at least 20-25 transaction Class project for session ending exam.

- Using process of accounting  
Comprehensive Project  
(Journal / Subsidiary books, Ledger, Trial Balance and Final Accounts)
- Bank reconciliation statement
- Sources of vouchers
- Any other topic according to syllabus

2. Illustration questions of rectification of errors and final account and with adjustments

3. Revise all the chapters October to December as per split up syllabus for periodic test-II.

4. Solved last year P.T.-2 Test Paper.

**PM SHRI KENDRIYA VIDYALAYA RATLAM**

**SESSION 2025-26**

**WINTER BREAK ASSIGNMENT**

**CLASS -12**

**SUBJECT-IP**

1.Link of question papers of different regions:

[https://drive.google.com/drive/folders/1W\\_oVRECEccaON9HtNmLpyaJ4fflZbQ-1](https://drive.google.com/drive/folders/1W_oVRECEccaON9HtNmLpyaJ4fflZbQ-1)

(solve any 10 sample paper from link)

2.Complete Project WORK .

3.3.EXERCISE AND WORKSHEETS WILL SHARE IN GROUP CHAPTER WISE .

**CLASS -12**

**SUBJECT-CS**

1.Link of question papers of different regions:

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(solve any 10 sample paper from link)

2.Complete Project WORK .

3.3.EXERCISE AND WORKSHEETS WILL SHARE IN GROUP CHAPTER WISE .

## CLASS -11 (COMPUTER SCIENCE)

1. WAP that asks the user for a string (only single space between words) and returns an estimate of how many words in the string.
2. WAP that inputs a line of text and prints out the count of vowels in it.
3. WAP that inputs a line of text and print the biggest word (length wise) from it.
4. WAP to take two lists of same size and adds their elements together to form a new list.  
eg: L=[2,3,4] , M=[1,6,8] then new list should be N=[3,9,12]
5. WAP to arrange the elements of a list in increasing order of their value.
6. WAP to find out the total number of odd and even elements in the list.
7. WAP to print the largest even number from the list, if there no even number in the input, print "Even not found in the list".
8. Given a tuple namely cars storing car names as element :  
( 'Toyota', 'Honda', 'GM', 'Ford', 'BMW', 'Volkswagon', 'Mercedes', 'Ferrari', 'porsche' )  
Write a program to print names of the cars in index range 2 to 6, both inclusive.  
The output should also include the index in words as shown below :  
One Honda  
Two GM  
:  
9. Write a Python program to convert a list to a tuple.
10. Write a Python program to check if a specified element presents in a tuple of tuples.  
Original list:  
(('Red', 'White', 'Blue'), ('Green', 'Pink', 'Purple'), ('Orange', 'Yellow', 'Lime'))  
Check if White present in said tuple of tuples!  
True  
Check if Olive present in said tuple of tuples!  
False
11. Write a Python program to unpack a tuple in several variables.
12. Write a Python script to check whether a given key already exists in a dictionary.
13. Write a Python script to generate and print a dictionary that contains a number (between 1 and n) in the form (x, x\*x). Sample Dictionary ( n = 5 ) :  
Expected Output : {1: 1, 2: 4, 3: 9, 4: 16, 5: 25}
14. WAP to enter names of employees and their salaries as input and store them in a dictionary.
15. Why is dictionary termed as an unordered collection of objects

**\*\* Revise chapters: Strings, Lists, Tuples and Dictionaries**

# CLASS -11 (INFORMATICS PRACTICES)

| No. | Objective of Practical                                                                                                                                                                  |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | WAP to compute $x^n$ of given two integers x and n.                                                                                                                                     |
| 2.  | WAP for calculating simple interest.                                                                                                                                                    |
| 3.  | WAP to accept a number from the user and display whether it is an even number or odd number.                                                                                            |
| 4.  | WAP to accept percentage of a student and display its grade as given below:- >85 "A" Grade, >70 and <=85 "B" Grade, >60 and <=70 "C" Grade, >45 and <=60 "D" Grade otherwise "E" Grade. |
| 5.  | WAP to print Fibonacci series up to certain limit.                                                                                                                                      |
| 6.  | Write a python program to find sum of the geometric series given below: $S=a+ar^1+ar^2+ar^3+\dots+ar^n$                                                                                 |
| 7.  | WAP to print the following pattern:<br>1<br>1 2<br>1 2 3<br>1 2 3 4<br>1 2 3 4 5                                                                                                        |
| 8.  | WAP to remove all odd numbers from the given list.                                                                                                                                      |
| 9.  | WAP to display second largest element of a given list.                                                                                                                                  |
| 10. | WAP to display frequencies of all the elements of a list.                                                                                                                               |

|     |                                                                                                                                                                                           |           |          |            |         |        |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|------------|---------|--------|
| 11. | WAP in Python to find and display the sum of all the values which are ending with 3 from a list.                                                                                          |           |          |            |         |        |
| 12. | WAP to shift the negative number to left and the positive numbers to right so the resultant list will look like: [-12,11,-13,-5,6,-7,5,-3,-6]<br>[-12,-13,-5,-7,-3,-6,5,6,11]             |           |          |            |         |        |
| 13. | Write a program to input total number of sections and stream name in 11th class and store in a dictionary. Display all information section wise on the output screen.                     |           |          |            |         |        |
| 14. | Write a Python program to input names of 'n' countries and their capital and currency, store it in a dictionary and display all values. Also search and display for a particular country. |           |          |            |         |        |
| 15. | Write command to create a database named as MYORG.                                                                                                                                        |           |          |            |         |        |
| 16. | Open the Database with USE command.                                                                                                                                                       |           |          |            |         |        |
| 17. | Create a table name Emp with following structure.<br>empno ename job hiredate sal comm<br>Number Varchar Char(10) Date Number Number                                                      |           |          |            |         |        |
| 18. | Insert the following Records                                                                                                                                                              |           |          |            |         |        |
|     | empno                                                                                                                                                                                     |           | job      | hiredate   | sal     | comm   |
|     | 369                                                                                                                                                                                       | smith     | clerk    | 1990-12-18 | 800.00  | null   |
|     | 8499                                                                                                                                                                                      | anya      | salesman | 1991-02-20 | 1600.00 | 300.00 |
|     | 8521                                                                                                                                                                                      | seth      | salesman | 1991-02-22 | 1250.00 | 500.00 |
|     | 8566                                                                                                                                                                                      | mahadevan | manager  | 1991-04-02 | 2985.00 | null   |
|     | 8654                                                                                                                                                                                      | momin     | salesman | 1991-09-28 | 1250.00 | 400.00 |
|     | 8698                                                                                                                                                                                      | bina      | manager  | 1991-05-01 | 2850.00 | null   |
|     | 8882                                                                                                                                                                                      | shivansh  | manager  | 1991-06-09 | 2450.00 | null   |
|     | 8888                                                                                                                                                                                      | scott     | analyst  | 1992-12-09 | 3000.00 | null   |

|     |                                                                                                    |         |           |            |         |      |
|-----|----------------------------------------------------------------------------------------------------|---------|-----------|------------|---------|------|
|     | 8839                                                                                               | amir    | president | 1991-11-18 | 5000.00 | null |
|     | 8844                                                                                               | kuldeep | salesman  | 1991-09-08 | 1500.00 | 0.00 |
|     |                                                                                                    |         |           |            |         |      |
| 19. | Write a query to display all the records with all the columns.                                     |         |           |            |         |      |
| 20. | Write a query to display EName and Sal of employees whose salary are greater than or equal to 2200 |         |           |            |         |      |

|     |                                                                                                                               |
|-----|-------------------------------------------------------------------------------------------------------------------------------|
| 21. | Write a query to display details of employs who are not getting commission.                                                   |
| 22. | Write a query to display employee name and salary of those employees who don't have their salary in range of 2500 to 4000.    |
| 23. | Write a query to display the name of employee whose name contains "A" as third alphabet in Ascending order of employee names. |
| 24. | Write a query to display the ename and sal with 50% of sal as DA.                                                             |
| 25. | Write a query to display the name of employee whose name contains "M" as First and "L" as third alphabet.                     |
| 26. | Write a query to display details of employs with the text "Not given", if commission is null.                                 |
| 27. | Display the distinct job titles offered by the Organization.                                                                  |
| 28. | Display the Names of employees who are working as Manager or Analyst.                                                         |
| 29. | Display the names of employees who joined the organization on or after 01/05/1991.                                            |

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |         |          |           |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------|-----------|----------|-----------|------|--|--|--|--|--|-----------|--------|---------|---------|---------|---------|--------|---|----|----|----|----|-------------|---------|----------|--|--|--|
|             | <p>30. Create table CUSTOMER as per following Table structure.</p> <table><tr><td>Column</td><td>CustID</td><td>CustName</td><td>CustAdd</td><td>CustCity</td><td>CustPhone</td></tr><tr><td>Name</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Data Type</td><td>NUMBER</td><td>VARCHAR</td><td>VARCHAR</td><td>VARCHAR</td><td>VARCHAR</td></tr><tr><td>Length</td><td>7</td><td>30</td><td>40</td><td>30</td><td>10</td></tr><tr><td>Constraints</td><td>Primary</td><td>Not Null</td><td></td><td></td><td></td></tr></table> | Column   | CustID  | CustName | CustAdd   | CustCity | CustPhone | Name |  |  |  |  |  | Data Type | NUMBER | VARCHAR | VARCHAR | VARCHAR | VARCHAR | Length | 7 | 30 | 40 | 30 | 10 | Constraints | Primary | Not Null |  |  |  |
| Column      | CustID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CustName | CustAdd | CustCity | CustPhone |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |
| Name        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |         |          |           |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |
| Data Type   | NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | VARCHAR  | VARCHAR | VARCHAR  | VARCHAR   |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |
| Length      | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 30       | 40      | 30       | 10        |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |
| Constraints | Primary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Not Null |         |          |           |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |
| 31.         | Insert 5 records with relevant information in the Customer table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |         |          |           |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |
| 32.         | Update all the records as add 'Mr.' with CustName.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |         |          |           |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |
| 33.         | Add one column Email of data type VARCHAR and size 30 to table Customer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |         |          |           |          |           |      |  |  |  |  |  |           |        |         |         |         |         |        |   |    |    |    |    |             |         |          |  |  |  |

|     |                                                                   |
|-----|-------------------------------------------------------------------|
| 34. | Add one more column CustIncomeGroup of data type VARCHAR(10).     |
| 35. | Drop the column CustomerIncomeGroup from table Customer.          |
| 36. | Modify the column CustCity as change the size 40 characters long. |
| 37. | Delete all the records who belongs to 'Jaipur'                    |
| 38. | Write command to show the Tables in the MYORG Database.           |
| 39. | Drop the CUSTOMER table.                                          |
| 40. | Drop the database MYORG.                                          |



क्या ग्राहकों को मिलावे

1. अक्सर ग्राहकों के दोनो प्रकारों का जवाब मिलेगा।
2. "अच्छा का पैर" कहानी का हवाला मिलेगा।
3. जहाँ से आपका पैर हमें क्या पता चल सकता है। " वहाँ से आपकी पैरों का जवाब पर प्रतिक्रिया करें।
4. " विद्वानों से डील मिलेगी" अथवा "ग्राहकों से डील" विषय पर (चलाने के लिए)।
5. आपकी कहानी है कि जिसने जिसने आपका पैर हमें पता चला है वह है जिसने आपकी पैरों से आपका जवाब हो रहा है। इसे हमने हेतु मिले कलेक्टर को एक पत्र मिलेगा।

## **SUBJECT : BUSINESS STUDIES**

1. Make a project 20-25 pages for session ending exam.
  - Topics according to syllabus
2. Revise all the chapter October to December as per split up syllabus for periodic test- II.
3. Exercise questions of sources of business finance and small business.
4. Solved last year P.T.-2 Test Paper.