

Kendriya vidyalaya Nsb2 Vskp

Periodic test – 2 (2021)

Class-11 sub: Accountancy

Max. Time – 2 Hr.

Max Marks-50

Q1	On 12 th July, 2019, A draws a bill on B for ₹50000 for 1 month and 15 th August is a public holiday. What will be the maturity date of the bill? a. 13 th August b. 16 th August 2019 c. 14 th August 2019 d. 15 th August 2019	(1)
Q2	A company bought a machine for ₹90000 on credit. Another ₹10000 is spent on its installation. If the estimated useful life is 5 years and scrap value at the end was ₹5000, calculate the rate of Depreciation. a. 18% b. 19% c. 17% d. 20%	(1)
Q3	A draws a bill on B for ₹60000. A wants to endorse it to Z in full settlement of ₹70000 @ 2% discount with the help of B's acceptance and balance in cash. How much cash will A pay to B? a. ₹8000 b. ₹8200 c. ₹8600 d. ₹10000.	(1)
Q4	Binod owed us ₹10000. He is declared as insolvent and 70 paise in a Rupee is received from his estate. Calculate the amount to be debited in Cash A/C. a. ₹10000 b. ₹7000 c. ₹3000 d. None of these	(1)
Q5	Contra entry is passed when a. Cash is withdrawn from Bank b. Cash is deposited in the bank c. Cheque previously received is deposited in the bank d. All of the above	(1)
Q6	Rectifying entry of purchase book being under casted is passed through ----- a/c.	(1)
Q7	Original cost = ₹126000, salvage value = ₹6000. From the information given, calculate Depreciation for 2 nd year @10% p. a. Under written down value method a. ₹10800 b. ₹11340 c. ₹15000 d. ₹14000	(1)
Q8	X sold goods to Y for ₹200000. Half of the amount will be received in cash and balance in Bills Receivable. For what amount, X should draw the bill on Y? a. ₹200000 b. ₹100000 c. ₹50000 d. ₹300000	(1)
Q9	Trader sells goods of list price of ₹10000 @5 % trade discount and 2 % cash discount. Calculate the net amount, if the payment will be made in cash. a. ₹10000 b. ₹9500 c. ₹9310 d. ₹9390	(1)
Q10	According to which principle, Revenue is deemed to be realised at the time when sale is made? a. Matching principle b. Principle of full disclosure c. Principle of revenue recognition d. None of these	(1)
Q11	Define Bill of exchange and briefly explain parties to a bill of exchange.	(3)

Q12	What do you mean by Goods and services tax? Define different categories of GST.	(3)
Q13	Write four differences between Provisions and Reserves.	(4)
Q14	Discuss different types of Reserves give examples.	(4)
Q15	What do you mean by Rectifying entry? When do you open Suspense a/c. Write with suitable examples.	(4)
Q16	<p>Rectify the following errors :</p> <ol style="list-style-type: none"> An amount of ₹ 2500 spent for the extension of machinery has been debited to wages account. ₹100 paid as cartage for the newly purchased furniture, posted to cartage A/c. A builder's bill for ₹ 5000 for erection of a small Cycle shed was debited to Repairs a/c. A Cheque of ₹100 received from Shyam was dishonoured and had been posted to the Debit side of 'Allowance a/c'. ₹800 paid for the newly purchased Furniture posted to purchase a/c. ₹4000 the amount of sale of an old machine has been credited to Sales a/c. ₹1000 received from X has been credited to Y's a/c. 	(7)
Q17	<p>A sell goods for ₹ 40000 to B on 1st January 2012 and on the same day draws a bill on B at 3 months for the amount. B accepts it and returned it to A, who discounts it in bank on 4th January 2012 @ 6%p.a. The acceptance is dishonoured on the due date and the noting charges paid by bank being 200.</p> <p>On 4th April 2012, B accepts a new bill at 3 months for the amount then due to A together with interest at 12%p.a.</p> <p>Make journal entries to record these transactions in the books of A and B.</p>	(7)
Q18	<p>On 1st April, 2012 Sonu Ltd. Purchased a machinery for ₹ 390000 on which they spent ₹ 5000 for carriage, ₹ 2000 for brokerage of the middle-man, ₹2500 for installation and ₹ 500 for an iron pad. On 1st November 2013, they purchased another machine for ₹100000 and immediately spent ₹20000 on its overhauling.</p> <p>On 30th September 2014 the machine purchased in 2012 was sold at a loss of ₹127800.</p> <p>The company charges Depreciation @10% p. a. On written down value basis. Accounts are closed on 31st March every year. Prepare Machinery a/c upto 31st March 2015.</p> <p>OR</p> <p>A company whose accounting year is the calendar year, purchased on 1st April, 2008, machinery costing ₹30000. It purchased further machinery on 1st October 2008, costing ₹20000 and on 1st July, 2009, costing ₹10000.</p> <p>On 1st January 2010 one-third of the machinery which was installed on 1st April, 2008 became obsolete and was sold for ₹3000.</p> <p>Show how the Machinery a/c would appear in the books of the company, it has been given that machinery was depreciated by fixed instalment at 10%p.a.</p>	(8)

Model paper

Periodic test – 2

Class-11

SUB-BUSINESS STUDIES

TIME-90 min

Max. Marks-40

Q1 Debentures represents.

(1)

- a. Fixed capital of the company
- b. Permanent capital of the company
- c. Fluctuating capital of the company
- d. Loan capital of the company

Q2 Under the factoring arrangements the factors.

(1)

- a. Produces and distribute the goods or services
- b. Makes the payment on behalf of the client
- c. Collects the client's debt or account receivables
- d. Transfer the goods from one place to another

Q3 Industry which provides the largest employment opportunities.

(1)

- a. Large scale industries
- b. Village and small scale industries
- c. Traditional industries
- d. Multinational enterprises

Q4 Jawahar Rojgar yojana provides

(1)

- a. Food for work

<ul style="list-style-type: none"> b. Subsidised loans c. Houses for poor d. Training for self employment
<p>Q5 MSMED Act, 2006 measures the size of business on the basis of. (1)</p> <ul style="list-style-type: none"> a. Capital invested b. Investment in plant and Machinery c. Volume of output d. Number of employees
<p>Q6 A service provided by a wholesaler to manufacturer and retailer. (1)</p> <ul style="list-style-type: none"> a. Credit facility b. Continuous availability of goods c. Market information d. None of these
<p>Q7 A Departmental store is a larger version of. (1)</p> <ul style="list-style-type: none"> a General store b. Single line product store c. Speciality store d. None of these
<p>Q8 VPP is an example of. (1)</p> <ul style="list-style-type: none"> a. Cash on delivery b. Cash purchase c. Purchase against advance payment d. None of these
<p>Q9 ⁷ Diffusion of Risk is an advantage of (1)</p> <ul style="list-style-type: none"> a. Departmental store. b. Multiple shop/stores c. Super markets d. Consumer cooperatives
<p>Q10 which of the following is part of Village and small industries sector? (1)</p>

<p>a) Sericulture c) Handicrafts</p> <p>b) Handloom d) All of these</p>
<p>Q11 State three difference between Equity capital and Debentures. (3)</p>
<p>Q12 Differentiate between owners fund and Borrowed fund? (4)</p>
<p>Q13 What is FOB and CIF? (3) Explain. OR What is the main purpose of MSMED Act,2006?</p>
<p>Q17 Give the full form of following explain each in one sentence. (3)</p> <p>a. NABARD b. RSBDC c. NSIC</p>
<p>Q18 Why does small scale business face shortage of finance and raw materials? (4) OR Name four financial institutions and state their objectives.</p>
<p>Q19 Classify retailers on the basis of merchandise handled. (4)</p>
<p>Q20 QUEST corporation a company dealing in (6) electronics is planning to expand their business on account of growing demand of consumer electronics. So the company requires additional funds. The finance manager reported that company is not in a position to bear extra burden of explicit cost and equity shareholders insisted not to issue more shares as there is a risk of losing control. On the basis of given</p>

information about QUEST corporation, answer the following questions

- a) Suggest a source of owners fund most suitable for the company
- b) Enlist the merits of source of owner's fund identified in part (a).

OR

Write the role or function of Chamber of commerce and Industry.

Q21 Discuss the various factors which affect the choice of source of finance.

(6)

OR

Discuss the various incentives offered by the government at state & Central level for the rural development programme.

KENDRIYA VIDYALAYA SANGATHAN HYDERABAD REGION

PERIODIC TEST 2 (2024-25)

CLASS – XI

SUBJECT: ENGLISH CORE

MAX MARKS: 40

TIME: 90 MIN

Section A: Reading (10 Marks)

I. Read the passage carefully and answer the questions that follow: (10 Marks)

The Value of Teamwork

Teamwork is an essential aspect of success in almost every area of life. Whether in sports, business, or academics, working together allows individuals to combine their strengths, overcome challenges, and achieve common goals. In today's competitive world, teamwork is not just a skill but a necessity for achieving growth and excellence.

One of the key benefits of teamwork is the diversity of ideas it brings. When people from different backgrounds and skill sets work together, they contribute varied perspectives and creative solutions to problems. This diversity fosters innovation and improves the quality of work. Additionally, teamwork helps in distributing responsibilities, ensuring that no single individual is overburdened. It creates a supportive environment where members motivate each other and share accountability for the outcomes.

However, effective teamwork requires certain qualities such as communication, trust, and cooperation. Open and honest communication ensures that everyone is on the same page and misunderstandings are avoided. Trust forms the foundation of any team, as it allows members to rely on one another. Cooperation ensures that the team remains united, even during challenging situations.

In conclusion, teamwork is the backbone of success, allowing individuals to achieve more together than they could alone. By fostering a collaborative spirit and valuing each member's contribution, teams can unlock their true potential and accomplish remarkable feats.

1. What is the main idea of the passage?
 - a) Teamwork is only useful in sports
 - b) Teamwork enhances growth and success
 - c) Teamwork eliminates competition
 - d) Teamwork is always easy to manage
2. What is one major benefit of teamwork mentioned in the passage?
 - a) It reduces individual accountability
 - b) It promotes competition within the team
 - c) It brings diverse ideas and perspectives
 - d) It encourages dependency on leaders
3. Which quality is essential for effective teamwork?
 - a) Individual brilliance
 - b) Open and honest communication
 - c) Strict leadership
 - d) Avoiding accountability

4. According to the passage, what fosters innovation in a team?
 - a) Team size
 - b) Diversity of ideas
 - c) Following strict rules
 - d) Avoiding cooperation
5. What forms the foundation of a strong team?
 - a) Trust
 - b) Ambition
 - c) Criticism
 - d) Individual effort
6. How does teamwork help in overcoming challenges?
7. Why is trust important in a team?
8. Mention two qualities that are necessary for successful teamwork
9. **Assertion (A):** Cooperation keeps a team united during challenging situations.
Reason (R): Cooperation is the only quality required for effective teamwork.
 - 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.
10. How is teamwork described in the context of a competitive world?
 - A. A personal choice
 - B. A skill for minor tasks
 - C. A necessity for achieving growth and excellence
 - D. A method to reduce stress

Section B: Grammar & Creative Writing (12 Marks)

II. Fill in the blanks with the correct form of the verbs in brackets: (1/2x4=2 marks)

- a) By the time we arrived, the train _____ (leave).
- b) She _____ (study) in this school since 2015.
- c) I _____ (go) to the park every evening.
- d) If he _____ (work) harder, he would have passed the exam.

III. Rearrange the following sentences to form meaningful sentences: (1X2 =2 Marks)

- (a) responsibilities / youth / of / the / future / holds / the / nation's
- (b) role / their / essential / is / development / in / the / of / country

IV. 1) You are Rahul/Rashmi, the owner of a bookstore in Lucknow. Write a classified advertisement for the 'Books for Sale' column of a local newspaper, offering discounted rates on a collection of novels and academic books. Provide necessary details in not more than 50 words. (3 marks)

OR

2) You are Aman/Aarti, and you want to rent out a fully furnished 2BHK apartment in Noida. Write a classified advertisement for the 'To Let' column of a newspaper, including details about location, amenities, and contact information in not more than 50 words. (3 marks)

V.1. Write a speech in 150-200 words on 'Benefits of early rising' to be delivered by you in the morning assembly of your school. You are Karuna /Karan, Head Girl/Head Boy.

OR

2. 'Homes for the aged is a necessity in India '. Write a debate in 120- 150 words either for or against the motion. You are Shivam/ Shivani. (5 marks)

Section C: Literature (18 Marks)

VI. Read the poetry extract below and answer the questions: (3 Marks)

*a) I do not understand this child
Though we have lived together now
In the same house for years.
I know nothing of him, so try to build
Up a relationship from how
He was when small."*

1. Why does the father feel he does not understand his son?
2. What does the father try to do to reconnect with his son?
3. What emotions does the father express in this extract?

OR

*b)"Yet what he loves I cannot share.
Silence surrounds us. I would have
Him prodigal, returning to
His father's house, the home he knew."*

1. What does the father mean by "silence surrounds us"?
2. Why does the father refer to his son as "prodigal"?
3. What does this extract reveal about the father-son relationship?

VII. Read the prose extract below and answer the questions: (3 Marks)

A. These shaggy monsters, blacker than the darkest night, usually wore bright red collars and barked furiously with massive jaws. They were completely fearless of our vehicle, shooting straight into our path, causing Tsetan to brake and swerve. The dog would make chase for a hundred metres or so before easing off, having seen us off the property. It wasn't difficult to understand why ferocious Tibetan mastiffs became popular in China's imperial courts as hunting dogs, brought along the Silk Road in ancient times as tribute from Tibet.

1. Who does 'shaggy monsters' refer to?

2. Why did Tsetan have to brake and swerve the vehicle?

- A) To avoid hitting another car
- B) To avoid the mastiffs that ran into the path
- C) To stop at a checkpoint
- D) To navigate through rough terrain

3. Which of the following best describes the mastiffs' behavior?

- A) Playful and curious
- B) Fearless and territorial
- C) Shy and timid
- D) Lazy and indifferent

OR

B. We finally reached the top of the pass at 5,515 metres. It was marked by a large cairn of rocks festooned with white silk scarves and ragged prayer flags. We all took a turn round the cairn, in a clockwise direction as is the tradition, and Tsetan checked the tyres on his vehicle. He stopped at the petrol tank and partially unscrewed the top, which emitted a loud hiss. The lower atmospheric pressure was allowing the fuel to expand. It sounded dangerous to me. "Maybe, sir," Tsetan laughed "but no smoking." My headache soon cleared as we careered down the other side of the pass. It was two o'clock by the time we stopped for lunch. We ate hot noodles inside a long canvas tent, part of a workcamp erected beside a dry salt lake. The plateau is pockmarked with salt flats and brackish lakes, vestiges of the Tethys Ocean which bordered Tibet before the great continental collision that lifted it skyward.

1. Assertion: The fuel in Tsetan's vehicle expanded at high altitudes.

Reason: The lower atmospheric pressure at high altitudes caused the fuel to expand.

- A) Both Assertion and Reason are true, and Reason is the correct explanation of the Assertion.
- B) Both Assertion and Reason are true, but Reason is not the correct explanation of the Assertion.
- C) Assertion is true, but Reason is false.
- D) Assertion is false, but Reason is true.

2. Which of the following traditions is performed at the cairn?

- A) Offering food to the gods
- B) Walking around it in a clockwise direction
- C) Lighting incense sticks
- D) Building more rocks on the cairn

3.What was the geological origin of the salt flats and brackish lakes on the plateau?

- A) Glacial activity
- B) Remnants of the Tethys Ocean
- C) Volcanic eruptions
- D) Groundwater erosion

VIII. Answer any one question of following questions in 40-50 words.(3x1=3)

- 1. Why did the author visit Mount Kailash?
- 2. What were the difficulties faced during the journey to Darchen?

IX. Answer any one of the following questions in 40-50 words .(3x1=3)

- 1. What role did the ministers and citizens play in choosing the next ruler?
- 2. How was the decision to crown a new ruler made?

X. Answer any one of the following questions in 120- 150words (1x6=6)

- 1. Describe the physical and cultural challenges the author faced during his journey to Mount Kailash. How did these challenges shape his understanding of the region and its people?

OR

- 2.How does The Tale of Melon City illustrate the theme of absurdity in governance and justice? Provide examples from the text to support your answer.

KENDRIYA VIDYALAYA SANGATHAN

Model Paper Periodic Test -2

Class : XI

Subject : History

Time: 90 Mins

Max Marks: 40

GENERAL INSTRUCTIONS

- 1. All questions are compulsory. One internal choice is given for 8 Mark question.**
- 2. The question paper has 5 sections. A, B, C, D, E.**
- 3. SECTION A (1 TO 10) has 10 multiple choice questions each carrying 1 mark.**
- 4. Section B (11 to 14) has questions of 3 marks each. Answer to this question should be in 80-100 words each.**
- 5. Section C, Q 15 is an 8-mark question. Answer to this question should be in 200-250 words.**
- 6. Section D (16 and 17) are source-based question.**
- 7. Section E is a Map based question with 2 marks. Attach the map with the answer script.**

SECTION A

1 Assertion (A): The Church's Earth centric belief was overturned by the scientists.

Reason (R): Copernicus asserted that the planets, including the earth, move around the Sun.

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

2 Identify the city depicted in the given picture

A Florence

B Venice

C Rome

D London

3. Humanist thought promoted.....

A Individual achievement

B a focus on the world rather than the afterlife.

C Both

D None of these

4 Renaissance can be classified as :

A Social development

B Cultural development

C Economic development

D Political development

5 Which of the following statements are correct regarding Cassandra Fedele :

A She emphasised on women education

B She was proficient in Greek and Latin

C She gave lectures in the University of Padua

D All of these

6. When did the earliest inhabitants of North America come from Asia?

A About 10,000 years ago

B About 5,000 years ago

C Over 30,000 years ago

D During the 17th century

7. The term terra nullius refers to the legal concept that:
 A Land can only be owned by native inhabitants.
 B Land is barren and uninhabitable.
 C Land belongs to no one and can be claimed by a discovering power.
 D Land claims must be formalized by treaties.
8. Identify the name of USA President with following information:
 He refused to honour Chief Justice John Marshall's judgment regarding the Cherokee tribe and ordered their eviction.
 A Thomas Jefferson
 B Andrew Jackson
 C George Washington
 D Abraham Lincoln
9. Identify the correct statement from the following regarding the 'Gold Rush' in North America.
 A The Gold Rush only occurred in Canada.
 B The Gold Rush led to the decline of railway construction.
 C Traces of gold found in the USA, particularly California, led to the Gold Rush.
 D The Gold Rush discouraged immigration to America.
10. The Hopis are a native tribe who now live near _____.
 A New York
 B Florida
 C California
 D Alaska

SECTION B (Short Answer Questions 3 Marks)

11. Renaissance start from Italy. Justify the statement. 3
12. Describe the scientific development during Renaissance. 3
13. What did the 'frontier' mean to the Americans? 3
14. What factors led to the significant European migration to America in the 19th century? 3

SECTION C (Long Answer Question 8 Marks)

15. Describe about the changes within Christianity during Renaissance. 8
- Discuss

OR

Describe the various changes in various fields which caused Renaissance.

SECTION D (Source Based Question)

16. Read the following passage and answer the questions below:

Niccolo Machiavelli wrote about human nature in the fifteenth chapter of his book, *The Prince* (1513). 'So, leaving aside imaginary things, and referring only to those which truly exist, I say that whenever men are discussed (and especially princes, who are more exposed to view), they are noted for various qualities which earn them either praise or condemnation. Some, for example, are held to be generous, and others miserly. Some are held to be benefactors, others are called grasping, some cruel, some compassionate; one man faithless, another faithful; one man effeminate and cowardly, another fierce and courageous; one man courteous, another proud; one man lascivious, another pure; one guileless, another crafty; one stubborn, another flexible; one grave, another frivolous; one religious, another sceptical; and so forth.' Machiavelli believed that 'all men are bad and ever ready to display their vicious nature partly because of the fact that human desires are

insatiable'. The most powerful motive Machiavelli saw as the incentive for every human action is self-interest.

- | | |
|--|---|
| 16.1 Name the book written by Machiavelli. | 1 |
| 16.2 Which one important value did it depicts? | 1 |
| 16.3 What did he believe? | 2 |

17. Read the following passage and answer the questions given below:

It was indicated on the stone tablets that the Hopis* had that the first brothers and sisters that would come back to them would come as turtles across the land. They would be human beings, but they would come as turtles. So when the time came close the Hopis were at a special village to welcome the turtles that would come across the land and they got up in the morning and looked out at the sunrise. They looked out across the desert and they saw the Spanish Conquistadores coming, covered in armour, like turtles across the land. So this was them. So they went out to the Spanish man and they extended their hand hoping for the handshake but into the hand the Spanish man dropped a trinket. And so word spread throughout North America that there was going to be a hard time, that maybe some of the brothers and sisters had forgotten the sacredness of all things and all the human beings were going to suffer for this on the earth.

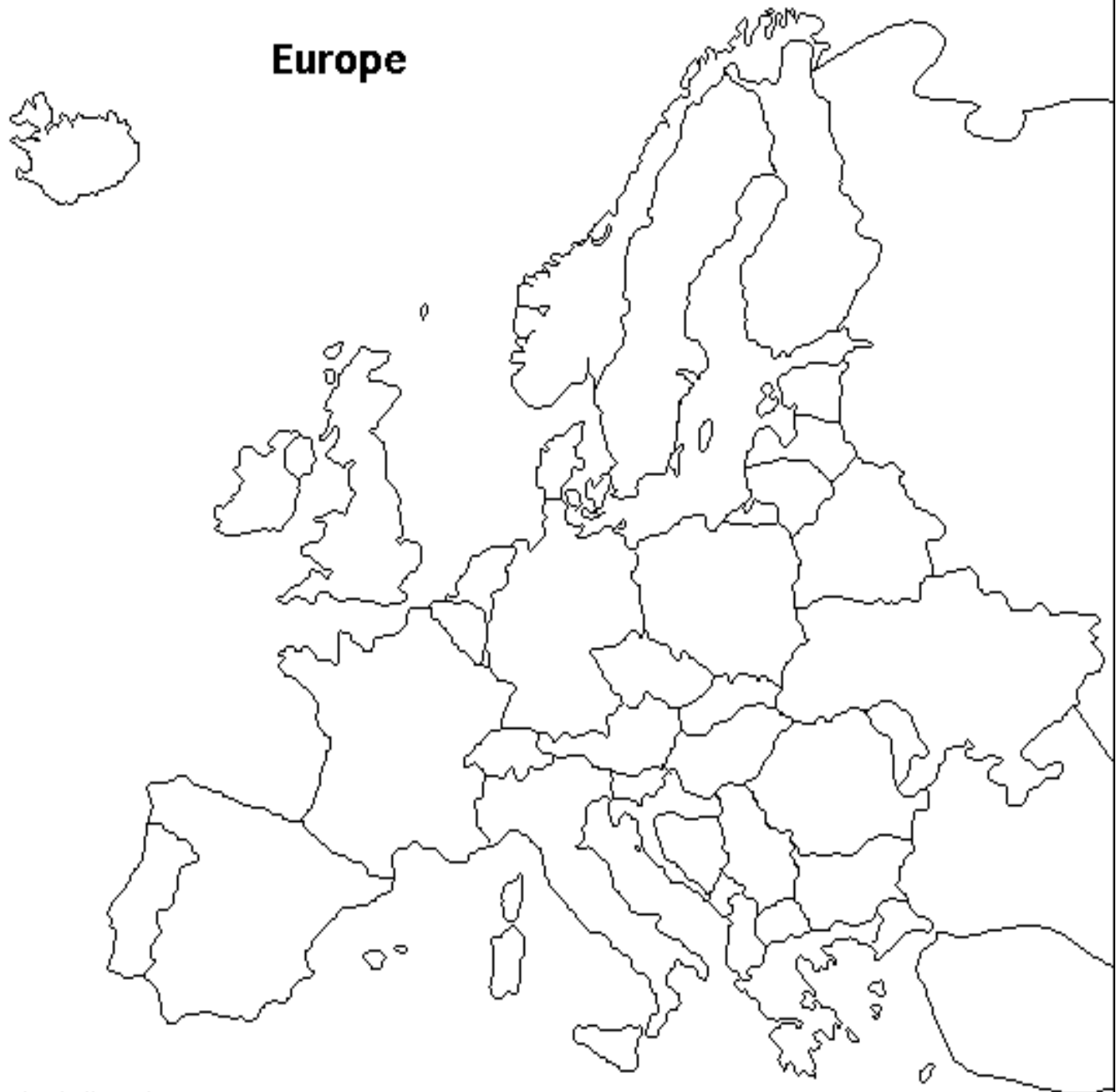
- From a talk by Lee Brown, 1986

- | | |
|---|---|
| 17.1 How did the Hopi prophecy say the "first brothers and sisters" would come back? | 1 |
| 17.2 What specific item did the Spanish man drop into the Hopi's outstretched hand? | 1 |
| 17.3 How did the Spanish actions contradict the Hopi's initial beliefs about them, changing the Hopi's view of the situation? | 2 |

18. Locate and label the following Italian towns on the given map:

- | | |
|----------|-----------|
| A) Rome | B) Venice |
| C) Genoa | D) Padua |

Europe



KENDRIYA VIDYALAYA MALKAPURAM
PERIODIC TEST -2 model question paper(2025-26)
CLASS: XI
SUBJECT: ECONOMICS

Maximum Marks: 40

Duration: 90 Minutes

Note

there are 17 questions in this question paper answer to all the questions is mandatory

Section A contains 10 objective type questions carries 01 marks for each question

Section B contains 02 Short answer type questions carries 03 marks for each question

Section C contains 03 Short answer type questions carries 04 marks for each question

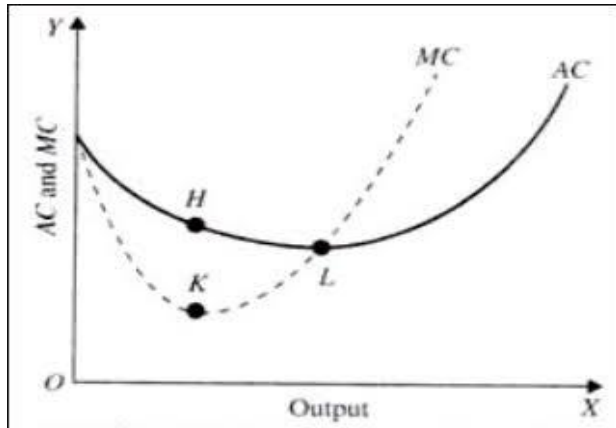
Section D contains 02 long answer type questions carries 06 marks for each question

SECTION A

1. period in which output can be changed by changing only variable factors _____ (long run / short run)
2. Which of the following statements related Law of variable proportions are true
 - (a) it is also called as Law of returns to factor
 - (b) this law belongs to long run
 - (c) this law belongs to short run
 - (d) both A&C
- Q. no 03 to 06 based on assertion and reason choose the correct alternative given below**
 - (a) Both Assertion and Reason are true. the reason is the correct explanation of the assertion**
 - (b) Both Assertion and reason are true. But the reason is not the correct explanation of the assertion**
 - (c) The assertion is true but the reason is not false**
 - (d) The reason is true but the assertion is false**
3. Assertion(A) : Phase 1 of the Law of variable proportions is known as increasing returns to a factor.
Reason(R)- in Phase 1 of Total product increases at decreasing rate and Marginal product becomes zero(0)
4. Assertion(A): Marginal Product (MP) cuts Average Product (A) from the above
Reason (R): When AP rises, MP is more than AP and when AP falls, MP is less than AP.
5. Assertion (A): Total Variable Cost (TVC) can be changed in the short run.
Reason (R): TVC increases initially at a decreasing rate, then at a constant rate, and, finally, at an increasing rate.
6. Assertion (A): TC and TVC curves are parallel to each other.
Reason (R): The vertical distance between TC and TVC curves is TFC, which remains constant at all levels of output.
7. When two variables change in constant proportion it is known as;
 - (a) Positive correlation
 - (b) Negative correlation
 - (c) Linear correlation
 - (d) Nonlinear correlation
8. Which of the following is true for the coefficient of correlation?
 - a. The coefficient of correlation is not dependent on the change of scale
 - b. The coefficient of correlation is not dependent on the change of origin
 - c. The coefficient of correlation is not dependent on both the change of scale and change of origin
 - d. None of the above
9. Coefficient of correlation always lies between
 - a) 0 to +1
 - b) 0 to -1
 - c) -1 to +1
 - d) None of the above
- 10) if all the plotted points on the scatter diagram lie on single line and showing upward trend the correlation is
 - a) perfect negative correlation
 - b) No correlation
 - c) perfect positive correlation
 - d) low degree negative correlation
- 11) Find the coefficient of correlation between X and Y series from the data: 3M

X	10	12	8	15	20	25	40
Y	15	10	6	25	16	12	8

12)



Read the above diagram carefully and answer the following questions 3M

- At point L the average cost (AC) is at maximum
(TRUE/FALSE)
- Marginal product starts rising even when average cost starts falling (TRUE/ FALSE)
- Both AC and MC are U-shaped curves due to
 - Law of Demand
 - Law of supply
 - Law of variable proportions
 - None of the above

13. Two judges in a beauty competition rank the 12 entries as follows: 4M

X	1	2	3	4	5	6	7	8	9	10	11	12
Y	12	9	6	10	3	5	4	7	8	2	11	1

Calculate the Spearman's rank coefficient of correlation.

14.Explain the relation between average product and marginal product 4M

15. State weather the following are true or false give reason 4M

- MP falls and becomes negative when TP increases at decreasing rate
- Average product will fall when Marginal product is less than average product

16) Find the coefficient of rank correlation 6M between the marks obtained in Mathematics and those in Statistics by 10 students of a class. 6M

<i>Marks in Mathematics</i>	12	18	32	18	25	24	25	40	38	22
<i>Marks in Statistics</i>	16	15	28	16	24	22	25	36	34	19

17. firm's MC schedule is shown in the following table. The total fixed cost of the firm is Rs 100. Find the TVC, TC, AVC and SAC schedules of the firm. 6M

Output	<i>MC</i>
0	—
1	500
2	300
3	200
4	300
5	500
6	800

KENDRIYA VIDYALAYA MALKAPURAM
SAMPLE PAPER 2025
PERIODIC TEST 2

CLASS - XI

MAX.MARKS - 35

SUBJECT - GEOGRAPHY (THEORY)

TIME - 90 MIN

Instructions:

All the questions are compulsory.

Sr.No.	Questions	Marks																				
SECTION - A (MCQs)																						
1	Which one of the following is the highest cloud in the sky? (a)Cirrus (b) Stratus (c) Nimbus (d) Cumulus	1																				
2	Sandalwood is an example of (a) Evergreen forest (b) Deciduous forest (c) Deltaic forest (d) Thorny forest	1																				
3	Which of the following is not a type of cell? (a) Hadley cell (b) Ferrel cell (c) Polar cell (d) Tropical cell	1																				
4	Combining forestry with agriculture is known as (a)Urban forestry (b) Farm forestry (c) Agro forestry (d) Community forestry	1																				
5	With the change of the air temperature, the capacity to retain moisture (a) Increase (b) Decreases (c) remain constant (d) Both a&b	1																				
6	Assertion: The pressure decreases with height. Reason: The air at the surface is denser and hence, has higher pressure. (a)Both A and R are true and R is the correct explanation of A. (b)Both A and R is 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.	1																				
7	Match the following <table border="1"><thead><tr><th colspan="2">List I (Project/Policy)</th><th colspan="2">List II (Year)</th></tr></thead><tbody><tr><td>A</td><td>Forest policy</td><td>1</td><td>1973</td></tr><tr><td>B</td><td>Wildlife act</td><td>2</td><td>1952</td></tr><tr><td>C</td><td>Project Tiger</td><td>3</td><td>1992</td></tr><tr><td>D</td><td>Project Elephant</td><td>4</td><td>1972</td></tr></tbody></table> Codes: A B C D	List I (Project/Policy)		List II (Year)		A	Forest policy	1	1973	B	Wildlife act	2	1952	C	Project Tiger	3	1992	D	Project Elephant	4	1972	1
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	(a) 1 2 3 4 (b) 3 1 2 4 (c) 2 4 1 3 (d) 2 1 4 3	
8	Which one of the following proportion of area of the country was targeted to be under forest in Forest Policy Of India? (a)33 (b) 44 (c) 55 (d) 22	1
SECTION - B (Source Based Questions)		
9	<p>Read the following passage and answer the questions that follow.</p> <p>Tropical cyclones are violent storms that originate over oceans in tropical areas and move over to the coastal areas bringing about large scale destruction caused by violent winds, very heavy rainfall and storm surges. This is one of the most devastating natural calamities. They are known as Cyclones in the Indian Ocean, Hurricanes in the Atlantic, Typhoons in the Western Pacific and South China Sea, and Willy-willies in the Western Australia. Tropical cyclones originate and intensify over warm tropical oceans. The conditions favourable for the formation and intensification of tropical storms are: (i) Large sea surface with temperature higher than 27°C; (ii) Presence of the Coriolis force; (iii) Small variations in the vertical wind speed; (iv) A pre-existing weak low-pressure area or low-level-cyclonic circulation; (v) Upper divergence above the sea level system. The energy that intensifies the storm, comes from the condensation process in the towering cumulonimbus clouds, surrounding the centre of the storm. With continuous supply of moisture from the sea, the storm is further strengthened. On reaching the land the moisture supply is cut off and the storm dissipates. The place where a tropical cyclone crosses the coast is called the landfall of the cyclone. The cyclones, which cross 20° N latitude generally, recurve and they are more destructive.</p> <p>A mature tropical cyclone is characterised by the strong spirally circulating wind around the centre, called the eye. The diameter of the circulating system can vary between 150 and 250 km. The eye is a region of calm with subsiding air. Around the eye is the eye wall, where there is a strong spiralling ascent of air to greater height reaching the tropopause. The wind reaches maximum velocity in this region, reaching as high as 250 km per hour. Torrential rain occurs here. From the eye wall rain bands may radiate and trains of cumulus and cumulonimbus clouds may drift into the outer region.</p> <p>(i) Which of the following term is used to describe tropical cyclones in Australia? (ii) Which is the most calm region of a tropical cyclone? (iii) Which type of clouds are generally formed in a tropical cyclone?</p>	3
SECTION - C (Short Answer Type Questions)		
10	What is the meaning of Relativity Humidity?	3

11	What are the factors which determine the pattern of planetary winds?	3
12	What is the difference between forest area and forest cover?	3
SECTION - D (Long Answer Type Questions)		
13	“In India all three types of rainfall are responsible for the precipitation”. Give your argument in support of the statement.	5
14	Briefly describe the Tropical Evergreen and Semi-Evergreen Forests.	5
SECTION - E (Map Based Questions)		
15	Marks any two of the following deserts of the world on a world map. 1.Sahara desert 2. Gobi desert 3. Great Victoria Desert	2
16.	On the map of India, mark any three of the following. a . Kaziranga National park b . Keoladeo Ghana Bird sanctuary c . Periyar wildlife sanctuary d . Panchamarhi biosphere reserve	3

KENDRIYA VIDYALAYA SANGATHAN :: HYDERABAD REGION
SECOND PERIODIC TEST 2024-25
CLASS XI - ARTIFICIAL INTELLIGENCE (843)

TIME ALLOWED: 90 Min

MAXIMUM MARKS: 40

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 17 questions in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. Out of the given (3+14)= 17 questions, a candidate has to answer (3 + 9)= 12 questions in the allotted (maximum) time of 90 minutes.
5. All questions of a particular section must be attempted in the correct order.
6. SECTION A - OBJECTIVE TYPE QUESTIONS (18 MARKS):
 - i. This section has 03 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
7. SECTION B – SUBJECTIVE TYPE QUESTIONS (22 MARKS):
 - i. This section has 14 questions.
 - ii. A candidate has to do 9 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A - OBJECTIVE TYPE QUESTIONS

Q1.	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i)	Which of the following is not a type of business activity? a) Manufacturing b) Trading c) Services d) Volunteering	1
ii)	which of the following values make an entrepreneur successful a) Independence b) Open-mindedness c) Confidence d) All the above	1
iii)	State whether the following statements are True or False: An employee makes all the decisions by himself or herself.	1
iv)	_____ means to think of new ideas and come up with ways to make it work in real life. a) Innovation b) Creativity c) Critical thinking d) Marketing	1

v)	<p>“In a small village in Rajasthan, where there is limited supply of pure drinking water, an entrepreneur can set up a business of selling water”</p> <p>The above idea is an example of?</p> <ul style="list-style-type: none"> a) Seasonal Idea b) Location based Idea c) Event-based Idea d) Interest-driven Idea 	1
vi)	<p>Needs that are known to the customers, but not fulfilled by anyone in the market, comes under the category_____</p> <ul style="list-style-type: none"> a) Served needs b) Partially served needs c) Unserved and Known needs d) Unknown needs 	1
vii)	<p>Identify the correct business cycle ?</p> <ul style="list-style-type: none"> a) Understand the market -> Business idea -> Business planning -> Improving and Growing Business b) Business idea -> Business planning -> Improving and Growing Business -> Understand the market c) Business idea -> Understand the market -> Business planning -> Improving and Growing Business d) Business idea -> Understand the market -> Improving and Growing Business -> Business planning 	1
Q2.	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i)	<p>Which is NOT correct about the Capstone project?</p> <ul style="list-style-type: none"> a) It is a project where students must research independently b) Students can integrate all their knowledge to develop a solution to the problem c) It is the final project of an academic program. d) Students are made to look at real world situations, exchange their point of view and discuss potential solutions to the problem. 	1
ii)	<p>Which is the fundamental question which is asked before deciding to embark on an AI development journey?</p> <ul style="list-style-type: none"> a) Should we do the project? b) Is there a solution? c) Can we leave the problem? d) Is there a pattern? 	1
iii)	<p>The question, 'which option should be taken?' comes under which category?</p> <ul style="list-style-type: none"> a) Classification b) Regression c) Anomaly detection d) Recommendation 	1
iv)	<p>Which stage in Design Thinking is missing (Prototype, Ideate, Test, Define)?</p> <ul style="list-style-type: none"> a) Evaluation b) Empathise c) Evolution d) Enrichment 	1

v)	Which one is not a part of the 5W1H method? a) Who b) While c) Where d) When	1
vi)	_____ is a useful process during ideation. a) Storyboarding b) Empathy map c) Prototyping d) Data collection	1
vii)	The _____ stage involves creating a model designed to solve consumer's problems in Design Thinking. a) Modelling b) Prototype c) Training d) Deployment	1
Q3. Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)		
i)	Which of the following best defines data literacy? A) The ability to read and write data B) The ability to find and use data effectively C) The ability to analyse data using AI D) The ability to collect and store data securely	1
ii)	What is the purpose of data preprocessing? A) To make data more complex B) To make data less accessible C) To clean and prepare data for analysis D) To increase the size of the dataset	1
iii)	How can missing data be handled in a dataset? A) By ignoring it B) By replacing missing values with estimates C) By deleting rows or columns with missing values D) By converting missing values to zero	1
iv)	Which of the following is an example of a primary source of data collection? A) Web scraping B) Social media data tracking C) Surveys D) Kaggle datasets	1
v)	What method of data collection involves direct communication with individuals or groups to gather information? A) Observations B) Experiments C) Interviews D) Marketing campaigns	1
vi)	Which of the following is an example of ratio scale data? A) Grading students' exam papers as "A," "B," "C," "D," and "F" B) Measuring the temperature in Celsius C) Rating a meal at a restaurant as "unpalatable," "unappetizing," "just okay," "tasty," and "delicious" D) Recording the weight of a person in kilograms	1
vii)	What is the term used to describe the graphical or pictorial representation of data? A) Statistical summary B) Data organization C) Data visualization D) Data interpretation	1

SECTION -B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions in 20 – 30 words each (3 x 2 = 6 marks)

Q4.	Who is an entrepreneur? Give an example	2
Q5.	Write the meaning of the following values with examples: (a) Independence (b) Confidence	2
Q6.	What are different ways in which an entrepreneur can think to solve problems?	2
Q7.	What are the three principles of idea creation?	2
Q8.	What are the Aspects to Keep in Mind While Understanding Customer Needs?	2

Answer any 4 out of the given 6 questions in 20 – 30 words each (4 x 2 = 8 marks)

Q9.	What do you mean by a capstone project?	2
Q10.	Students are promoted to develop critical and creative thinking. Why?	2
Q11.	Explain the concept of data literacy and its importance in today's digital age.	2
Q12.	What is data visualization and why is it important?	2
Q13.	What do you mean by web scraping?	2
Q14.	Give some examples of use case of SDG's	2

Answer any 2 out of the given 3 questions in 50 – 80 words each (4 x 2 = 8 marks)

Q15.	Explain the different types of Ideation techniques?	4
Q16.	<p>a) Anakha is working on a project involving mood analysis of individuals experiencing depression. She plans to visit hospitals, yoga instructors, mental health care providers, and healthcare institutes. How can Anakha collect data from these organizations and individuals for her project?</p> <p>b) During a sales analysis, metrics such as sales revenue per month, average sales revenue, and the most popular products sold are examined to comprehend overall performance and aid in decision-making regarding marketing strategies, inventory management, and resource allocation. Which measurements in statistics will facilitate the sales analysis process?</p> <p>c) Selvan's Textiles operates multiple showrooms in a city. Fahad is working on a project to predict the annual sales percentage for the upcoming year. He intends to analyse the trend of sales percentage over time and also the sales percentages in different regions. To facilitate data analysis, he plans to visualize the data using graphs.</p> <p>i) Which type of graph would be most appropriate for visualizing the trend of sales percentage over time?</p> <p>ii) Which type of graph would be most suitable for comparing sales percentages across different regions?</p>	1+1+2
Q17.	The ages of a group of people in a community are: 25, 28, 30, 35, 40, 45, 50, 55, 60, 65. Write a program to calculate the mean, median, and mode of the ages.	4

END