

♦HOLIDAY HOMEWORK (Summer Vacation 2025-2026)♦



Class VI

Subject English

(1) Complete the written work in your notebook of the chapters taught till date.

Also learn and revise.

(2) Write 2 new words daily. Find out their meanings and make sentence on your own.

(3) Application Writing -

(i) Write an application to the principal of your school requesting him to grant you two days' leave to attend your brother's marriage.

(ii) Write an application for a week's leave to the Principal of your school as you are unable to attend school because of viral fever

Do reading practice daily, underline important words and learn spellings

(4) Write paragraph on

Importance of Trees

Role of Yoga in our life

विषय-हिंदी

1. मानव शरीर के 15 अंगों के नाम हिंदी में लिखिए।

2. 20 पर्यायवाची, 20 विलोम शब्द, 20 मुहावरे वह 20 वाक्यांश के लिए एक शब्द लिखो।

3. एक से पचास तक हिंदी गिनती लिखिए।

4. ग्रीष्मकालीन अवकाश के दौरान अपने द्वारा घूमे गए किसी पर्यटन स्थल का वर्णन करते हुए अपने मित्र को पत्र लिखिए।

5. अपने परिवार के बारे में एक अनुच्छेद लिखिए। (10 लाइन)

6. योगा करने से हमारे शरीर को क्या-क्या लाभ मिलते हैं उसे पर एक अनुच्छेद लिखिए

विषय: - संस्कृतम्

प्रश्न: 1) वर्ण-विच्छेदम् कुरुत - (वर्ण विच्छेद कीजिए)

(1) सीव्यतः (2) सन्ति (3) चालयन्ति (4) स्त्रीलिंगम् (5) कदलीफलम्

(6) पत्रवाहकः (7) कुक्कुरौ (8) बुक्कन्ति (9) मण्डूकः (10) नृत्यन्ति

(11) पत्राणि (12) द्विवचनम् (13) श्रीकृष्णः (14) मूर्धन्यः (15) शुभेच्छुः

प्रश्न: 2) वर्ण - संयोजनं कुरुत। (वर्ण संयोजन कीजिए)

श् + उ + न् + अ + क् + आः (2) व् + ऋ + द् + ध् + औ

क् + ऋ + ष् + अ + क् + आः (4) क् + उ + र् + व् + अ + न् + त् + इ

(5) प् + उ + स् + त् + अ + क् + आ + ल् + अ + य् + अः

(6) प् + र् + आ + क् + ऋ + त् + इ + क् + अः

प्रश्न: 3) निम्न पदानि संस्कृते लिखत। (निम्न पदों को संस्कृत में लिखिए)

बालक (2) यह (पुर्लिंग) (3) दो बालिकाएँ (4) तुम (5) हम सब

(6) मैं (7) हम दोनों (8) वह (स्त्रीलिंग) (9) तुम दोनों (10) ये दोनों (स्त्रीलिंग)

(11) अनेक बालक (12) वे सब (पु.) (13) तुम सब (14) ये सब (स्त्रीलिंग) (15) दो बालक

प्रश्न: (4) निम्न वाक्यानि संस्कृत भाषया लिखत - (निम्न वाक्यों को संस्कृत में लिखिए)

बालिका खाती है। (2) बालक पढ़ते हैं। (3) वे सब बालक हैं।

(4) वह बालिका है। (5) हम सब बालक है। (6) वह राम है।

प्रश्न: (5) निम्न पदानां वचन परिवर्तनं कुरुत - (निम्न पदों के वचन परिवर्तन कीजिए)

तत् (बहुवचने) (ii) युवाम् (एकवचने) (iii) अहम् (द्विवचने)

(iv) वयम् (एकवचने) (v) ताः (द्विवचने)

प्रश्न: (6) निम्न धातूनां रूपाणि लटलकारे लिखत - (निम्न धातुओं के रूप लटलकार में लिखिए)

खाद् (ii) लिख् (iii) चल्

प्रश्न: 7) एकतः पञ्चाशत् पर्यन्तं संख्याः संस्कृते लिखत । (1 से 50 तक संख्या संस्कृत में लिखिए , Page no-143)

प्रश्न 8 संस्कृत प्रतिज्ञा लिखो और याद करो ।

NOTE- अवकाश का कार्य संस्कृत विषय की नोटबुक में ही करना है।

SUBJECT-MATHS

CLASS-6

Instructions for Submission:

Use Homework notes for solving and don't write solutions from the google/internet.

Submission Date: First day after summer vacation.

All work must be handwritten.

Marks will be awarded for neatness, completeness, and creativity.

VERY VERY IMPORTANT :

Learn all the square till 25

learn all the cubes till 12

learn all the tables till 25

Write the pattern for all sequences and write the next 3 numbers.

1 4, 9, 16, 25, 36, 49, ... (Squares)

1, 8, 27, 64, 125, 216, ... (Cubes)

1, 2, 3, 5, 8, 13, 21, ... (Virahanka numbers)

1, 2, 4, 8, 16, 32, 64, ... (Powers of 2)

1, 3, 9, 27, 81, 243, 729, ... (Powers of 3)

Write 5 points about how mathematics is making your life easier.

are 1, 8, 27, 64, 125, ... called cubes?

Do the figure it out given on following page numbers from your

Text book

a) pg no - 11,12

b) pg no- 19,20

c) pg no- 31, 32

d) pg no- 40, 41

e) pg no- 53, 54

Subject: Social Science

1 ASSIGNMENT ON THE FOLLOWING TOPICS

HISTORY--- TIMELINE AND SOURCES OF HISTORY

GEOGRAPHY—

LOCATING PLACES ON THE EARTH

Ma p work fill the map of India (State and Capital)

Map work fill the map of world oceans and continents

CIVICS----

1 .FAMILY AND COMMUNITY

1 MARK QUESTION- -----5QUESTION FROM EACH CHAPTER
3 MARK QUESTION-----2QUESTION FROM EACH CHAPTER
5 MARK QUESTION -----1 QUESTION FROM EACH CHAPTER

CLASS 7

PM SHRI KENDRIYA VIDYALAYA ROHTAK

SUMMER VACATION HOME-WORK (2025-26)

CLASS-7 A

SUBJECT-MATHS

Instructions for Submission:

- Use Homework notes for solving and don't write solutions from the google/internet.
- Submission Date: First day after summer vacation.
- All work must be handwritten.
- Marks will be awarded for neatness, completeness, and creativity.

VERY VERY IMPORTANT :

- **Learn all the square till 25**
 - **learn all the cubes till 12**
 - **learn all the tables till 25**
1. Write the additive inverse of -121.
 2. Write six different integers whose sum is 7.
 3. Using Number Line write the integer which is (i) 3 more than -3 (ii) 2 less than -2
 4. Solve it using number line.
(i) $(+5) + (-2)$ (ii) $(-7) - (+2)$
 5. In one state, the number of bicycles sold in the year 2002-2003 was 7,43,000. In the year 2003-2004, the number of bicycles sold was 8,00,100. In which year were more bicycles sold? and how many more?
 6. The town newspaper is published every day. One copy has 12 pages. Everyday 11,980 copies are printed. How many total pages are printed everyday?
 7. Do these questions from your textbook
 - a) pg no-12,13 (Population of cities)
 - b) Puzzle time pg no - 23
 - c) Figure it out (pg no-41, 42)Q1,2,3,4
d) Unsolved questions given on pg no-49,50

Subject - science

In 100 pages notebook ,do the following holidays homework(Activities and questions)

Chapter Reading and Summarization

1) Read the following chapters carefully:

- a) Chapter 2: Exploring Substances: Acidic, Basic, and Neutral
- b) Chapter 5: Changes Around Us: Physical and Chemical
- c) Chapter 7: Heat Transfer in Nature

2) Write a one-page summary for each chapter in your own words.

(Include key definitions, important examples, and one real-life application.)

Activity-Based Work

(Perform under adult supervision if needed.)

3) Activity 1:

- a) Prepare turmeric paper at home (refer to Activity 2.5 from Chapter 2).
- b) Test three household substances (like soap water, lemon juice, vinegar) using turmeric paper and note the results.

Activity 2:

- c) Observe and record two examples each of physical and chemical changes from your daily life (Chapter 5).

Activity 3:

- d) Conduct a simple heat transfer experiment:
 - i) Fill a steel spoon and a wooden stick with hot water at one end and feel which material gets hot faster (Chapter 7).
 - ii) Explain what type of heat transfer happened.

Worksheet (Solve in Notebook)

Multiple Choice Questions:

4) Which of the following is a basic substance?

- a) Lemon juice (b) Soap solution (c) Vinegar (d) Tamarind water
- 5) Rusting of iron is an example of:

- a) Physical change (b) Chemical change (c) No change (d) None of these
- 6) Heat travels in solids mainly by:

- (a) Conduction (b) Convection (c) Radiation (d) Evaporation

7) Short Questions:

- 8) What is an acid-base indicator? Give two examples.
- 9) Differentiate between a physical change and a chemical change.
- 10) Define conduction, convection, and radiation with one example each.

Exploratory Project (Choose Any One)

(Prepare on 2-3 A4 sheets.)

- 11) Project 1: Investigate how different acids are used in daily life (examples: vinegar, citric acid in lemon, etc.).
- 12) Project 2: Create a small poster on “How Heat Transfers in Our Environment” (using drawings and short notes). Submission Guidelines

Use neat handwriting.

Draw diagrams wherever needed.

You may paste pictures for activities or projects (optional).

Submit the completed work on the reopening day after holidays.

विषय हिंदी

- 1.प्रतिदिन समाचार पत्र पढ़े और नए शब्द को अर्थ सहित लिखिए व 20 पेज सुलेख लिखिए।
- 2.भारत में मनाए जाने वाले विभिन्न त्योहारों की सूची बनाइए साथ ही उसे प्रदेश का नाम लिखिए
- 3.योग के महत्व पर पोस्टर बनाइए ।
- 4.स्वास्थ्य को अच्छा बनाए रखने के लिए पांच उपाय लिखिए।
- 5.संयुक्त व्यंजन का प्रयोग करते हुए 10- 10 शब्द बनाइए
- 6.प्रातः काल की सैर और हिंदी भाषा के महत्व पर अनुच्छेद लेखन करो।
- 7.10 पर्यायवाची शब्द, 10 विलोम शब्द, 10 अनेकार्थक शब्द, 10 वाक्यांश के लिए एक शब्द लिखिए।
- 8.फीस माफी के लिए प्रार्थना पत्र और मित्र को जन्मदिन पर बधाई पत्र लिखिए ।

विषय - संस्कृत

प्रश्न: 1) पञ्च लकारेषु धातुरूपाणि लिखत - (पाँच लकारों में धातु रूप लिखिए)

(1) चल (ख) कृ

प्रश्न: 2) शब्दरूपाणि लिखत - (शब्द रूप लिखिए)

(1) किम् (पुल्लिंगे , स्त्रीलिंगे) (ख) रमा

प्रश्न: 3) एकतः पञ्चाशत् पर्यन्तं संख्याः संस्कृते लिखत । (1 से 50 तक संख्या संस्कृत में लिखिए)

प्रश्न: 4) ‘छात्र प्रतिज्ञा’ संस्कृते लिखित्वा स्मरणं अपि कुरुत । (छात्र प्रतिज्ञा संस्कृत में लिखिए व याद कीजिए)

प्रश्न: (5) कोई 20 वाक्यों को संस्कृत में लिखिए।

SUBJECT:SOCIAL

SCIENCE

1. DO ALL THE EXERCISE QUESTIONS OF LESSON 1

2. READ CHAPTER 4 (NEW BEGINNINGS: CITIES AND STATES) OF THE BOOK AND MAKE 20 MCQS FROM THE LESSON
3. READ CHAPTER 11(FROM BARTER TO MONEY) AND MAKE 10 MCQS FROM THE LESSON
4. MAKE A SCRAPBOOK ON FOOD, CULTURE FAMOUS DRESSES HISTORICAL PLACES OF PEOPLE OF TELANGANA

Subject english

(1) Write 2 new words daily. Find out their meanings and make sentences on your own.

(2) LETTER WRITING-

(i) Write an application to the Principal of your school requesting her, to grant you two days' leave to attend your brother's marriage.

(ii) Write a letter to your friend inviting him to your birthday party.

(3) PARAGRAPH WRITING

(i) HOW TO KEEP FIT AND FINE

(ii) WHAT I ENJOY DOING MOST IN MY LEISURE TIME

(4) Read next 2 lessons from your English book and write what you comprehend from the lessons and what you find difficult in the lessons.

5) Make a file of your recreational activities or about a place where you will visit during your vacations.

Do reading practice daily, underline important words and learn spellings.

CLASS 8

पीएम श्री केंद्रीय विद्यालय रोहतक

कक्षा 8 हिंदी ग्रीष्मकालीन अवकाश गृहकार्य 2025-26

1. संगीत और कला का संयोजन

हिंदी गीत “आओ बच्चों तुम्हें दिखाएं झांकी हिंदुस्तान की” गीत को याद करें और इसमें वर्णित महापुरुषों और महत्वपूर्ण घटनाओं पर संक्षेप में लिखें।

<https://youtu.be/aZiyPrzfwUs?feature=shared>

2. हिंदी शब्दों से शब्दों का खेल

कोई एक शब्द चुने और 15 नए शब्दों की एक शब्द श्रृंखला तैयार करें। फिर उन शब्दों का उपयोग कर एक छोटी सी कहानी लिखें।

(उदाहरण: “बिल्ली” से शुरू करें - बिल्ली, लिखना, नल, लहसुन, नरगिस, आदि।)

3. हिंदी पत्रिका

एक छोटी सी हिंदी पत्रिका बनाए जिसमें कहानी, कविता, चित्रकला, और ग्रीष्मकालीन छुट्टियों के अनुभव आदि शामिल हों।

4. प्रिय पुस्तक पर पुस्तक समीक्षा (Book Review)

गर्मी की छुट्टियों में पढ़ी गई अपनी प्रिय हिंदी कहानी/पुस्तक पर समीक्षा लिखें।
पुस्तक का नाम, लेखक, कहानी का सार, क्या अच्छा लगा, क्या नया सीखा आदि।

5. विज्ञापन

“साइबर ठगी जागरूकता” विषय संबंधित एक विज्ञापन तैयार कीजिए।

6. सत्र-1, बहुविषय परियोजना

विषय-आपदा प्रबंधन

● आपदा और आपदा प्रबंधन का अर्थ

● आपदाओं के प्रकार (प्राकृतिक आपदाएं तथा मानव निर्मित आपदाएं) उदाहरण सहित

● दो प्राकृतिक आपदाओं (बाढ़/भूकंप) के बारे में लिखिए और अगर आपके इलाके में बाढ़/भूकंप आए तो आप क्या करेंगे?
5-6 बिंदुओं में लिखें।

7. नीचे दिए गए शब्दों के अर्थ खोज कर लिखिए

1. सप्तरंगी

2. रंगमंच

3. निवेश

4. कलात्मक

5. संपूर्ण

6. आकंक्षित
7. उत्सवप्रिय
8. चिंतन
9. वर्णनात्मक
10. मंजर
11. अलौकिकता
12. अविस्मरणीय
13. सिंहासन
14. निश्छल
15. संचरण
16. तेजस्विता
17. शैली
18. संवेदनशील
19. विशालकाय
20. उपमा
21. प्रतीकात्मक
22. अनुभूति
23. परिकल्पना
24. रचनाकार
25. कल्पनालोक
26. छायाचित्र
27. विचारशील
28. सजीव
29. चेतन
30. रचनाशील
31. अभिव्यक्ति
32. संवेदना
33. चित्रण
34. सृजन
35. अभिनव
36. गीतात्मक
37. नाटकीय
38. अनुपम
39. सरगम
40. प्रकाशमान

- 41.हर्षित
- 42.भावपूर्ण
- 43.रूपवान
- 44.अद्वितीय
- 45.चपल
- 46.निर्मल
- 47.नवोन्मेष
- 48.चिंतनशील
- 49.विलक्षण
- 50.उत्कर्ष
- 51.भावप्रधान
- 52.हर्षोल्लास
- 53.शब्दचित्र
- 54.कल्पनातीत
- 55.स्वप्नदर्शी
- 56.अभिव्यक्तिपूर्ण
- 57.अनुभवजन्य
- 58.प्रेरणादायक
- 59.विचारशील
- 60.नवजीवन
- 61.शुभ्रता
- 62.उदात्त
- 63.शब्दसंग्रह
- 64.समर्पण
- 65.ज्ञानवर्धक
- 66.प्रकृतिप्रिय
- 67.अंतरदृष्टि
- 68.कृत्रिमता
- 69.ज्ञानदीप
- 70.बुद्धिमत्ता
- 71.विश्लेषण
- 72.स्मृति
- 73.संकल्प
- 74.उद्यम
- 75.प्रयोजन

- 76.समर्पण
- 77.दृढ़ता
78. नृत्यात्मक
79. मनमोहक
80. उत्साही
81. गौरवपूर्ण
82. दृष्टिकोण
83. जादुई
84. सकारात्मक
85. प्रेरणादायक
86. दृष्टव्य
87. शांति
88. अन्वेषक
89. विशेषज्ञ
90. समृद्ध
91. ब्रम्हाण्ड
92. नवीनता
93. स्मरणीय
94. काव्यशास्त्र
95. समाजसेवी
96. आकंक्षित
97. कृतज्ञता
98. आकर्षकता
99. निडर
100. सुरम्य

CLASS 9

Holidays HOMEWORK

CLASS IX(Chemistry)

SOLVE CHAPTER 1 EXERCISE, EXAMPLER PROBLEM

English Holidays Homework

** *English Holidays Homework***

Class : 9

1.Make a Portfolio.

2. Write 50 new words with their meanings and also Write the synonym and antonym for the word.

3. Write descriptive paragraph on the given topics:-

(i) About a person

(ii) About a place

(iii) About an event

4. Read story books and news paper daily.

5. Write the stories on given topics:-

(1) Hardwork is the key to success.

(ii) Never give up.

(iii) Honesty is the best policy.

6. Do Complete the class work and Home work in note book and learn it.

7. Read next 2 lesson (The little girl and A Truly Beautiful Mind) and write their summary and character sketch of the protagonist.

Social science

ASSIGNMENT ON THE FOLLOWING TOPICS

HISTORY---

1 FRENCH REVOLUTION

GEOGRAPHY----

1 INDIA SIZE AND LOCATION

CIVICS----

1 WHAT IS DEMOCRACY WHY DEMOCRACY

ECONOMIC—

1—THE STORY OF VILLAGE PALAMPUR

1 MARK QUESTION- -----5 QUESTIONS FROM EACH CHAPTER

3 MARK QUESTION-----3 QUESTIONS FROM EACH CHAPTER

5 MARK QUESTION -----2 QUESTIONS FROM EACH CHAPTER

MATHEMATICS

Biology

1. Read the Ch- Fundamental unit of life

2. Do the following questions in cw copy-

A. Draw well labelled diagram of Prokaryotic and Eukaryotic Cell

B. Write difference between Prokaryotic and Eukaryotic Cell

C. Write short note on : Cell Wall, Plasma Membrane, Nucleus, Cell Division

3. <https://ncert.nic.in/pdf/publication/exemplarproblem/classIX/science/ieep105.pdf>

Open the above link and MCQ and Short answer questions in hw copy.

HINDI

1. सांप्रदायिकता एक अभिशाप, आतंकवाद समस्या का समाधान, स्वच्छ भारत अभियान - एक वरदान, ग्लोबल वार्मिंग और जन जीवन पर अनुच्छेद लेखन कीजिए।
2. जर्मनामा फरने के लिए प्राचार्य को प्रार्थना पत्र, विद्यालय में खेलकूद की सामग्री की समुचित व्यवस्था हेतु प्रधानाचार्य को आवेदन पत्र व अपनी सहेली को जन्मदिवस पर निमंत्रण पत्र लिखिए।
3. पोर्टफोलियो तैयार कीजिए।
4. ल्हासा की ओर पाठ के आधार पर अपनी किसी यात्रा के बारे में परियोजना तैयार कीजिए।
5. प्रतिदिन समाचार पत्र पढ़ें और नए शब्द को अर्थ सहित लिखिए।
6. उपसर्ग प्रत्यय के 10-10 उदाहरण लिखिए। समास व उनके भेदों को परिभाषा एवं 10 उदाहरणों सहित लिखिए।
7. पढ़ाए गए पाठों का दोहरान कीजिए।
8. एकता में बल, परोपकार काम हत्व पर लघु कथा लेखन कीजिए।

MATHS

1. Classify the following as rational or irrational numbers: $\sqrt{2}$, 1.5, 0.333..., $\sqrt{49}$, π , -3
2. Write five rational numbers between: (a) 1 and 2 (b) -1 and 0
3. Represent $\sqrt{3}$ and $\sqrt{5}$ on the number line using geometrical construction. (Use compass and scale.)
4. Write the decimal expansions of: (a) $\frac{1}{8}$ (b) $\frac{22}{7}$ (c) $\frac{1}{3}$ And State whether the decimals are terminating or non-terminating recurring
5. Create a table showing five irrational numbers and explain how each is identified irrational.
6. Without actual division, state whether the decimal representation of the following will terminate or not: (a) $\frac{7}{20}$ (b) $\frac{23}{90}$ (c) $\frac{5}{16}$ (d) $\frac{4}{11}$
7. True or False (with reason): (a) $\sqrt{2}$ is a rational number. (b) Every real number is either rational or irrational. (c) The product of two irrational numbers is always irrational.
8. Express the following as a rational number in $\frac{p}{q}$ form
(a) 0.666... (b) 1.272727... (c) 0.818181...
9. Insert three irrational numbers between $\sqrt{2}$ and $\sqrt{3}$
10. On the number line, mark the positions of: 0, 1, $\sqrt{2}$, $\sqrt{4}$ form:

Class : 9

1. Make a Portfolio.

2. Write 50 new words with their meanings and also Write the synonym and antonym for the word.

3. Write descriptive paragraph on the given topics:-

(i) About a person

(ii) About a place

(iii) About an event

4. Read story books and news paper daily.

5. Write the stories on given topics:-

(1) Hardwork is the key to success.

(ii) Never give up.

(iii) Honesty is the best policy.

6. Do Complete the class work and Home work in note book and learn it.

7. Read next 2 lesson (The little girl and A Truly Beautiful Mind) and write their summary and character sketch of the protagonist.

Social science

ASSIGNMENT ON THE FOLLOWING TOPICS

HISTORY---

1 FRENCH REVOLUTION

GEOGRAPHY----

1 INDIA SIZE AND LOCATION

CIVICS----

1 WHAT IS DEMOCRACY WHY DEMOCRACY

ECONOMIC—

1—THE STORY OF VILLAGE PALAMPUR

1 MARK QUESTION- -----5QUESTIONS FROM EACH CHAPTER

3 MARK QUESTION-----3QUESTIONS FROM EACH CHAPTER

5 MARK QUESTION -----2 QUESTIONS FROM EACH CHAPTER

MATHEMATICS

CLASS 10

PM Shri KENDRIYA VIDYALAYA ROHTAK

Class 10

Holidays homework- ENGLISH

- 1) Frame two long question answers of of 6 marks from each chapter and poem done till now.
- 2) Write an essay on the current terrorism activities and India's stance over it (peaceful or aggressive).
- 3) Complete portfolio
- 4) Make a MDP PROJECT for paired state Telengana.

Following topics could be used-

Food
Clothing
Language
Cultures
Climate and geography

- 5) Learn and practice syllabus till now.
- 6) Write 50 new words and their meaning
- 7) Read next 2 lessons from book First Flight and write their summary

PM Shri KENDRIYA VIDYALAYA ROHTAK

Class 10

Holidays homework -SOCIALSCIENCE

1 ASSIGNMENT ON THE FOLLOWING TOPICS

HISTORY---

1 NATIONALISM IN EUROPE

GEOGRAPHY----

1 RESOURCES AND DEVELOPMENT

CIVICS----

1 POWER SHARING

ECONOMIC—

1—DEVELOPMENT

1 MARK QUESTION- -----5QUESTIONS FROM EACH CHAPTER

3 MARK QUESTION-----3QUESTIONS FROM EACH CHAPTER

5 MARK QUESTION -----2 QUESTIONS FROM EACH CHAPTER

कक्षा दसवीं

1. सांप्रदायिकता एक अभिशाप , आतंकवाद समस्या या समाधान , स्वच्छ भारत अभियान - एक वरदान , ग्लोबल वार्मिंग और जन जीवन पर अनुच्छेद लेखन कीजिए।
2.
जुर्माना माफ करने के लिए प्राचार्य को प्रार्थना पत्र, विद्यालय में खेलकूद की सामग्री की समुचित व्यवस्था हेतु प्रधानाचार्य को आवेदन पत्र व अपनी सहेली को जन्म दिवस पर निमंत्रण पत्र लिखिए।
3. पर्यावरण संरक्षण पर जागरूकता हेतु विज्ञापन लेखन, विश्व हिंदी पुस्तक मेला के आयोजन पर विज्ञापन तैयार कीजिए।
4. पोर्टफोलियो तैयार कीजिए ।

5. भक्ति धारा के सगुण और निर्गुण कवियों में अंतर बताते हुए किन्हीं पांच निर्गुण व सगुण कवियों पर परियोजना तैयार कीजिए।
6. प्रतिदिन समाचार पत्र पढ़ें और नए शब्द को अर्थ सहित लिखिए।
7. रचना के आधार पर वाक्य भेद और वाच्य के भेदों के 10-10 उदाहरण लिखिए।
8. पढ़ाए गए पाठों का दोहरान कीजिए।

Maths holiday homework

- 1) Complete all the exercises till 3.2 from text book
- 2) Do the worksheet sent in group

SUMMER VACATION HOME WORK

CLASS -X SUBJECT – SCIENCE

Q1. Write symbols of elements and their name in given your textbook (ch. 1 and learn them)

Q2. Write the name of compounds and their name in given your test book . (ch. 1)

Q3. What is a balanced chemical equation? Why should chemical equations be balanced?

Q4. Write the balanced equation for the following chemical reactions.

(i) Hydrogen + Chlorine \rightarrow Hydrogen chloride

(ii) Barium chloride + Aluminium sulphate \rightarrow Barium sulphate + Aluminium chloride

(iii) Sodium + Water \rightarrow Sodium hydroxide + Hydrogen

Q5. Write a balanced chemical equation with state symbols for the following reactions.

(i) Solutions of barium chloride and sodium sulphate in water react to give insoluble barium sulphate and the solution of sodium chloride. (ii)

Sodium hydroxide solution (in water) reacts with hydrochloric acid solution (in water) to produce sodium chloride solution and water.

Q6. Why are decomposition reactions called the opposite of combination reactions? Write equations for these reactions.

Q7. What is the difference between displacement and double displacement reactions? Write equations for these reactions.

Q.8. Write the balanced chemical equations for the following reactions and identify the type of reaction in each case.

(a) Nitrogen gas is treated with hydrogen gas in the presence of a catalyst at 773K to form ammonia gas.

(b) Sodium hydroxide solution is treated with acetic acid to form sodium acetate and water.

(c) Ethanol is warmed with ethanoic acid to form ethyl acetate in the presence of concentrated H_2SO_4 .

(d) Ethene is burnt in the presence of oxygen to form carbon dioxide, water and releases heat and light.

Q9. Complete the missing components/variables given as x and y in the following reactions

(a) $Pb(NO_3)_2(aq) + 2KI(aq) \rightarrow PbI_2(x) + 2KNO_3(y)$

(b) $Cu(s) + 2AgNO_3(aq) \rightarrow Cu(NO_3)_2(aq) + x(s)$

(c) $Zn(s) + H_2SO_4(aq) \rightarrow ZnSO_4(x) + H_2(y)$

(d) $CaCO_3(s) \rightarrow xCaO(s) + CO_2(g)$

Q11. On heating blue coloured powder of copper (II) nitrate in a boiling tube, copper oxide (black), oxygen gas and a brown gas X is formed

(a) Write a balanced chemical equation of the reaction.

(b) Identify the brown gas X evolved.

(c) Identify the type of reaction.

(d) What could be the pH range of aqueous solution of the gas X? Q12.

Which among the following are physical or chemical changes? (a)

Evaporation of petrol

(b) Burning of Liquefied Petroleum Gas (LPG)

(c) Heating of an iron rod to red hot.

(d) Curdling of milk

(e) Sublimation of solid ammonium chloride

Q13. Name the following (a) The process in plants that links light energy with chemical energy (b) Organisms that can prepare their own food (c) The cell organelle where photosynthesis occurs (d) Cells that surround a stomatal pore (e) Organisms that cannot prepare their own food (f) An enzyme secreted from gastric glands in stomach that acts on proteins.

Q14. How do the guard cells regulate opening and closing of stomatal pores? Q15.

Differentiate between an autotroph and a heterotroph.

Q16. How does aerobic respiration differ from anaerobic respiration?

Q17. Differentiate between an artery and a vein.

Q18. Why is the rate of breathing in aquatic organisms much faster than in terrestrial organisms?

Q19. Mention the major events during photosynthesis.

Q20. Draw labeled diagram of the following

(a) Human digestive system

(b) Human respiratory system

(c) Stomatal pore –Open and closed

(d) Double circulation in humans

Q21. Make a working model for science exhibition.

Case study questions

Q22. Read the following and answer any four questions from (i) to (v).

Heterotrophic nutrition is a mode of nutrition in which organisms obtain readymade organic food from outside sources. The organisms that depend upon outside sources for obtaining organic nutrients are called heterotrophs. Heterotrophic nutrition is of three types: saprophytic, parasitic and holozoic nutrition.

(i) In which of the following groups of organisms food material is broken outside the body and absorbed?

(a) Mushroom, green plants, Amoeba

(b) Yeast, mushroom, bread mould

(c) Paramecium, Amoeba, Cuscuta

(d) Cuscuta, lice, tapeworm

(ii) Which of the following is a parasite?

(a) Yeast

(b) Taenia

(c) Amoeba

(d) Earthworm

(iii) Which of the following is an example of saprotroph? (a) Grass

(b) Mushroom

(c) Amoeba

(d) Paramecium

(iv) Heterotrophic nutrition involves

(a) production of simple sugar from inorganic compounds

(b) utilisation of chemical energy to prepare food

(c) utilisation of energy obtained by plants

(d) all of these.

(v) In Amoeba, food is digested in

(a) mouth

(b) pseudopodia

(c) cilia

(d) food vacuole

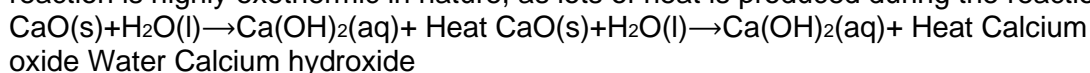
Q23. Read the following and answer any four questions from (i) to (v). Rishaan experienced muscular cramps during the training session for his upcoming football match. Mr. Sen, his coach advised him on a schedule of some aerobic exercises to overcome his problem of muscular cramps. Rishaan followed his coach's advice and did not face the problem of muscular cramps again during his match

(i) Which life process is depicted by the above passage?

(a) Respiration

- (b) Digestion
- (c) Nutrition
- (d) Excretion
- (ii) lack of oxygen in muscles often leads to cramps due to
 - (a) Conversion of pyruvate to ethanol
 - (b) Conversion of glucose to pyruvate
 - (c) Conversion of pyruvate to glucose
 - (d) Conversion of pyruvate to lactic acid
- (iii) Is lactic acid produced by anaerobic respiration in yeast?
 - (a) YES
 - (b) NO
- (iv) Why there is an increase in lactic acid concentration in the blood at the beginning of the exercise?
 - (a) Lack of oxygen
 - (b) Excess of oxygen
 - (c) Lack of carbon dioxide
 - (d) Excess of carbon dioxide
- (v) Is carbon dioxide produced by anaerobic respiration in yeast? (a) YES
(b) NO

Q24. Read the following and answer any four questions from (i) to (v). A reaction in which two or more reactants combine to form a single product is called a combination reaction. For example, calcium oxide reacts vigorously with water to form calcium hydroxide. The reaction is highly exothermic in nature, as lots of heat is produced during the reaction.



Solution of Ca(OH)_2 is used for white wash the walls. Calcium hydroxide reacts slowly with carbon dioxide in air to form a thin layer of calcium carbonate on the wall which gives a shiny appearance to wall. Calcium carbonate will form after two or three days of white wash.

- (i) What is the chemical name of quick lime?
 - (a) Calcium oxide
 - (b) Calcium carbonate
 - (c) Calcium hydroxide
 - (d) Carbon dioxide
- (ii) When carbon dioxide is passed through lime water,
 - (a) calcium hydroxide is formed
 - (b) white precipitate of CaO is formed
 - (c) lime water turns milky
 - (d) colour of lime water becomes green.
- (iii) Following observations are observed when calcium oxide reacts vigorously with water. Identify the incorrect observations
 - (I) It is an endothermic reaction
 - (II) Slaked lime is produced.
 - (III) Quick lime is produced.
 - (IV) It is an exothermic reaction.
 - (V) It is a combination reaction
 - (a) (I) and (II)
 - (b) (III) and (IV)
 - (c) (I) and (III)
 - (d) (II), (IV) and (V)
- (iv) Quick lime combines Vigorously with water to form (A) which reacts slowly with the carbon dioxide in air to form (B) Identify the compounds (A) and (B)
 - (A) (B)
 - (a) Calcium carbonate Calcium hydroxide
 - (b) Calcium hydroxide Calcium carbonate
 - (c) Calcium Calcium bicarbonate
 - (d) Calcium bicarbonate Calcium
- (v) Among the following, the endothermic reaction is
 - (a) combination of carbon and oxygen to form carbon monoxide
 - (b) combination of nitrogen and oxygen to form nitrogen monoxide
 - (c) combination of glucose and oxygen to form carbon dioxide and water
 - (d) combination of zinc and hydrochloric acid to form zinc chloride and hydrogen

Q25. Reactions in which one element takes place of another element in a compound, are known as displacement reactions. In general, more reactive elements displace a less reactive element from its compound. In all single displacement reactions, only one element displaces another element from its compound. The single displacement reactions are, however, written as just

displacement

reactions. The displacement reaction between iron (III) oxide and powdered aluminium produces so much heat that iron metal obtained is in molten form. (i) Copper displaces which of the following metals from its salt solution? (a) ZnSO_4 (b) FeSO_4 (c) AgNO_3 (d) NiSO_4

(ii) When zinc reacts with dilute sulphuric acid, the gas evolved is

- (a) red in colour and have a sweet smelling
- (b) green in colour and have a foul smell
- (c) colourless, odourless and burns with a pop sound
- (d) colourless, pungent smelling and burns with a pop sound

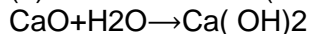
(iii) When dry hydrogen is passed over a heated oxide of metal X using the apparatus shown below, a reddishbrown residue is obtained

The reddish -brown residue could be

- (a) copper (b) lead (c) silver (d) zinc

(iv) Which of the following reactions is a displacement reaction?

- (a) $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca}(\text{OH})_2$ (a)



- (c) $\text{Mg} + \text{CuSO}_4 \rightarrow \text{MgSO}_4 + \text{Cu}$ (c) $\text{Mg} + \text{CuSO}_4 \rightarrow \text{MgSO}_4 + \text{Cu}$

- (b) $\text{MgCO}_3 \rightarrow \text{Mg} + \text{CO}_2$ (b) $\text{MgCO}_3 \rightarrow \text{Mg} + \text{CO}_2$

- (d) $\text{H}_2 + \text{Cl}_2 \rightarrow 2\text{HCl}$ (d) $\text{H}_2 + \text{Cl}_2 \rightarrow 2\text{HCl}$

(v) When dilute hydrochloric acid is added to granulated zinc placed in a test tube, the observation made is

- (a) the surface of the metal turns shining
- (b) the reaction mixture turns milky
- (c) greenish yellow gas is evolved
- (d) the colourless and odourless gas evolves with a pop sound.

CLASS 12

Subject: English Core (301)

Holidays' Homework

Class - XII -A, B & C

Instructions:-

- 1.Utilize your summer vacation constructively.
- 2.Read good books / English newspaper daily.
- 3.Obey your parents & help them.
- 4.Be in touch with your subjects.

Dear Students,

You are required to complete the given Holidays' Homework in a separate notebook/scrap book/ file:

- 1.Learn & write 5 new words with meaning daily.

2. Frame 10 questions each from the following lessons:

A. Deep Water

B. The Tigerformat3. Write about any one of the characters that impresses you the most from the story :

The Tiger King / Lost Spring

- 4.Reading a Newspaper:-

Read any English Newspaper daily during your summer vacation. Go through the articles in the newspaper and select any two of them. Cut them and paste them in tour notebook. Write your response to it .

- 5.Paste any type of invitation card in your notebook & observe the format & its language.
-

Holiday's Homework

- 1) State Coulomb's law.
- 2) Define electric field intensity. Write its SI unit and derive an expression for electric field intensity due to an electric dipole
 - a) at a point on axial line
 - b) at a point on equatorial line
- 3) Derive an expression for electric potential energy of an electric dipole placed in a uniform electric field.
 - a) at a point on axial line
 - b) at a point on equatorial line
- 4) State Gauss's law. Derive an expression for electric field due to
 - a) spherical charged sphere
 - b) uniformly charged wire
 - c) uniformly charged sheet
- 5) Derive an expression for capacitance of parallel plate capacitor
 - a) air b/w the plates
 - b) medium b/w the plates
 - c) dielectric slab of thickness t b/w the plates

Holidays Homework

Class : XII C

Subject : Economics

Complete the following work:

1. Complete all the numericals of National Income Accounting based on Income Method, Expenditure Method and Output method (at least 10 each)
2. Complete the difference between:
 - Human Growth and Human capital formation (Human Capital Formation)
3. Write any 30 items to be treated in the calculation of national income. (take help of book)

3. Make notes on the following:
 - Reasons for agricultural stagnation during British rule
 - The poor state of Indian Industry and Systematic de industrialisation during British rule
 - Demographic profile of India during Colonial rule
 - Meaning of occupational structure and occupational structure of the economy during British rule
 - Positive impact of British rule in Indian economy
 - Sustainable Development and the strategies for sustainable development (Sustainable Development)
 - Role of Education in human capital formation (Human Capital Formation)
 - Role of Health in human capital formation (Human Capital Formation)
 - Organic Farming : merits and demerits (Rural Development-last topic)
 - Agricultural diversification and the activities involved - animal husbandry, fisheries, Horticulture (Rural Development)
5. Complete the Economics Project allotted roll no. wise (picture shared in the group as well)
6. Suggested numericals are:

Numerical Practice

A. In a single month Aryan who is a salon owner earns fees of Rs. 50,000. His equipment depreciate at a rate of 10 % of the value that is Rs. 10,000.He spends Rs. 2500 on rent and electricity, pays tax on profits of Rs. 500, tax on sales a s Rs. 1,000and spends Rs. 3,500 on purchase of raw material. Calculate the contribution made by him in national income.

B. Calculate National Income using Income and Expenditure method.

• Rent	1500	
• Net factor income from abroad	50	
• Wages and salaries	25,000	
• Indirect tax	1000	
• Government final consumption expenditure	11200	
• Subsidies	300	
• Royalty	200	
• Net exports	(-)200	
• Interest	6400	
• Corporate tax	200	
• Profit after tax	4000	
• Household final consumption expenditure	26000	
• Change in stock		100
• Net domestic fixed capital formation	600	
• Final consumption expenditure of private non-profit Institutions serving households	300	

C. Calculate the value of net factor income to abroad

• National income	25000
• Wages and salaries	8000
• Commission paid to sales department	2100
• Employer's contribution to provident fund	2500
• Mixed income of the self employed	1800
• Profits after tax	200
• Corporate tax	100
• Rent and interest	250
• Royalty	50
• Factor income from abroad	200

पीएम श्री केंद्रीय विद्यालय रोहतक

ग्रीष्मावकाश गृह कार्य 2025-26

कक्षा: XII

विषय : हिन्दी

- प्रश्न 1. 'देश के उत्थान में युवाओं का योगदान', 'प्रगति के पथ पर बढ़ता भारत', 'आतंकवाद एक वैश्विक समस्या' और 'संचार क्रांति के परिणाम' विषय पर रचनात्मक लेखन कीजिए।
- प्रश्न 2. 'आत्मपरिचय' कविता का शिल्प सौन्दर्य स्पष्ट कीजिए।
- प्रश्न 3. 'मैं और, जग और कहाँ का नाता' पंक्ति में और शब्द की विशेषता बताइए।
- प्रश्न 4. आत्मपरिचय कविता से कवि के व्यक्तित्व की किन-किन विशेषताओं का पता चलता है?
- प्रश्न 5. 'दिन जल्दी-जल्दी ढलता है !' का भावार्थ अपने शब्दों में लिखिए।
- प्रश्न 6. 'दिन जल्दी-जल्दी ढलता है' की शिल्प संबंधी विशेषताएँ लिखिए।
- प्रश्न 7. 'भक्तिन' पाठ के आधार पर महादेवी वर्मा और भक्तिन के संबंधों पर अपने विचार व्यक्त कीजिये।
- प्रश्न 8. महादेवी वर्मा ने भक्तिन के जीवन को चार खण्डों में विभाजित किया है। चारों का उल्लेख कीजिये।
- प्रश्न 9. निम्नलिखित में से किसे आप 'सिल्वर वेडिंग' कहानी की मूल संवेदना कहेंगे और क्यों?
- (क) हाशिये पर धकेले जाते मानवीय मूल्य (ख) पीढ़ी का अंतराल
- (ग) पाश्चात्य संस्कृति का प्रभाव
- प्रश्न 11. 'सिल्वर वेडिंग' कहानी के आधार पर यशोधर बाबू का चरित्र चित्रण कीजिए।
- प्रश्न 12. अपने द्वारा पठित किसी कहानी पुस्तक, उपन्यास अथवा निबंध की पुस्तक की समीक्षा लिखिए।
- प्रश्न 13. अपने किसी देखे हुए स्थल की विशेषताओं को कविता, कहानी या निबंध के माध्यम से व्यक्त कीजिए।

मृत्युंजय मिश्र

स्नातकोत्तर शिक्षक (हिन्दी)

HOLIDAY HOMEWORK

MATHEMATICS

CLASS - XII

Q1. Construct a matrix $A = [a_{ij}]_{3 \times 2}$ where $a_{ij} = (-1)^i \sin jx$

Q2. If $[2x \ 3] \begin{bmatrix} 1 & 2 \\ -3 & 0 \end{bmatrix} \begin{bmatrix} x \\ 8 \end{bmatrix} = 0$, find x .

Q3. Express $A = \begin{bmatrix} 2 & 4 & -6 \\ 7 & 3 & 5 \\ 1 & -2 & 4 \end{bmatrix}$ as sum of symmetric and skew symmetric matrix.

Q4. If $A = \begin{bmatrix} 1 & 3 & 2 \\ 2 & 0 & -1 \\ 1 & 2 & 3 \end{bmatrix}$ then show that A satisfies $A^3 - 4A^2 - 3A + 11I = 0$

Q5. Show that $A = \begin{bmatrix} 1 & 3 & 2 \\ 2 & 0 & -1 \\ 1 & 2 & 3 \end{bmatrix}$, satisfies $A^3 - 4A^2 - 3A + 11I = 0$ then find A^{-1} .

Q6. If $A = \begin{bmatrix} 0 & a & 3 \\ 2 & b & -1 \\ c & 1 & 0 \end{bmatrix}$ is a skew symmetric matrix find a , b and c .

Q7. What is the number of all possible matrices of order 3×3 with each entry $0, 2$.

Q8. If area of triangle is 35Sq. units. with vertices $(2, -6)$, $(5, 4)$, $(k, 4)$ then find k .

9. Complete two activities in practical notebook. 10. Draw graph of $\sin^{-1}x$ (Inverse $\sin x$) and $\cos^{-1}x$ (inverse $\cos x$) in notebook

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HOLIDAYS HOMEWORK

CLASS: XII COMMERCE

SUBJECT: BUSINESS STUDIES

Chapter 1

Match the concept of management in column I with their respective definition in column II:

Column I

A. Process

(i) Doing the task correctly and with minimum cost.

B. Efficiency

(ii) Finishing the given task on time

Summer Vacation 2025-26

HOLIDAYS HOMEWORK

CLASS: XII B

SUBJECT: ACCOUNTANCY

1. Ishu, Vishu and Nishu are partners in a firm sharing profits and losses in the ratio of 2:3:5. Their fixed capitals were ₹1,50,000, ₹3,00,000 and ₹6,00,000 respectively. After the final accounts have been prepared it was discovered that interest on capital was credited to them @ 12% instead of 10%.

(A) Nishu's Current A/c will be Debited by ₹1,500.

(B) Nishu's Current A/c will be Credited by ₹1,500.

(C) Nishu's Capital A/c will be Credited by ₹1,500.

(D) Nishu's Capital A/c will be Debited by ₹1,500.

2. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R)

Assertion (A): Rent paid to partner is shown in P & L Appropriation A/c. Reason (R): Rent paid to partner is a charge against the profits.

In the context of the above statements, which one of the following is correct?

(A) (A) is correct, but (R) is wrong.

(B) Both (A) and (R) are correct.

(C) (A) is wrong, but (R) is correct.

(D) Both (A) and (R) are wrong.

3. If there exist insufficient profits for appropriations, the available profit is distributed in:

(A) Profit-sharing ratio

(B) Appropriation ratio

(C) Capital ratio

(D) Equally

4. The interest on drawings to be charged from a partner on an amount of 30,000 @ 5% p.a. will be:

(A) ₹15,000

(B) ₹1,500

(C) ₹750

(D) ₹150

5. The journal entry for transfer of profits to reserves will be:

(A)Reserves A/CDr.

To Profit & Loss Appropriation A/C

(B)Reserves A/CDr.

To Profit & Loss A/C

(C)Profit & Loss Appropriation A/CDr.

To Reserves A/C

(D)Profit & Loss A/CDr.

To Reserves A/C

6.Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R)

Assertion(A): Goodwill is raised amongst the old partners, in their old ratio and gets written off amongst the partners in their new ratio.

Reason(R): Goodwill is the fruit of partner's past efforts.

In the context of the above statements, which one of the following is correct?

(A) (A) is correct, but (R) is wrong.

(B) Both (A) and (R) are correct.

(C) (A) is wrong, but (R) is correct.

(D) Both (A) and (R) are wrong.

7. A, B, and C are partner's sharing profits in the ratio of 5::3::2. According to the partnership agreement C is to get a minimum amount of ₹ 18,000 as his share of profits every year. .The net profit for the year ended 31st March, 2019 amounted to ₹50,000. .How much amount is contributed?

(A)₹1,250; ₹3,750

(B)₹4,000; ₹4,000

(C)₹2,000; ₹5,000

8. Seeta and Geeta are partners sharing profits and losses in the ratio 4::1. . Meeta was manager who received the salary of ₹ 4,000 p.m. . in addition to a commission of 5% % on net profits after charging such commission. . Profit for the year is ₹ 6,30,000 before charging salary. . Find the total

9. Assertion (A): Number of years purchase is multiplied in the calculation of goodwill of the firm.

Reason (R): It is the measure of firm's reputation out of its past efforts.

A.Both Assertion (A) and Reason (R) are true.

B.Both Assertion (A) and Reason (R) are false.

C.Assertion (A) is true and Reason (R) is false.

D.Assertion (A) is false and Reason (R) is true.

10. A partnership firm earned divisible profit of ₹ 5,00,000, interest on capital is to be provided to partner is ₹3,00,000, interest on loan taken from partner is ₹50,000 and profit-sharing ratio of partners is 5::3. Sequence the following in correct way:

- A. Distribute profits between partners
- B. Charge interest on loan to Profit and Loss A/c
- C. Calculate the net profit Transfer to Profit and Loss appropriation A/C.
- D. Provide interest on capital

11. P and Q were partners in a firm sharing profits in 3::1 ratio. Their respective fixed capitals were ₹10,00,000 and ₹6,00,000. The partnership deed provided interest on capital @ 12 % p.a. even if it will result into a loss to the firm. The net profit of the firm for the year ended 31st March, 2023 was ₹1,50,000.

Pass necessary journal entries in the books of the firm allowing interest on capital and division of profit/loss amongst the partners. 3

12. On 01.04.2018 Raheem and Kareem started partnership business. Raheem contributed for ₹72,00,000 first and increased by ₹3,00,000 after seven months. Kareem contributed ₹3,00,000 first and increased it to ₹4,00,000 after five months and he withdrew out of capital ₹2,00,000 after nine months

Calculate interest on capital on 31.03.2019 if rate of interest on capital is 12 % p.a. 3

13. D, S and M are partners sharing profits and losses in the ratio of 3:2:1. With effect from 1st April, 2022 they agree to share profits equally. For this purpose, goodwill is to be valued at two year's purchase of the average profit of last four years which were as follows: Year ending on 31st March, 2019 ₹ 50,000 (Profit) Year ending on 31st March, 2020 ₹ 1,20,000 (Profit) Year ending on 31st March, 2021 ₹ 1,80,000 (Profit) Year ending on 31st March, 2022 ₹ 70,000 (Loss) On 1st April, 2021 a Motor Bike costing ₹ 50,000 was purchased and debited to travelling expenses account, on which depreciation is to be charged @ 20% p.a by Straight Line Method. The firm also paid an annual insurance premium of ₹ 20,000 which had already been charged to Profit and Loss Account for all the years. Calculate the amount of Goodwill. 3

14. The average net profits Expected of the firm in future are ₹ 68,000 per year and capital invested in the business by the firm is ₹ 3,50,000. The rate of interest expected from capital invested in this class of business is 12%. The remuneration of the partners is estimated to be ₹ 8,000 for the year. You are required to find out the value of goodwill on the basis of 2 years purchase of super profits. 3

15. Sanjay, Sudha and Shakti are partners in a firm sharing profits in the ratio of 3::1::1. Their fixed capital balances are ₹4,00,000, ₹1,60,000 and ₹1,20,000 respectively. Net profit for the year ended 31st March, 2020 distributed amongst the partners was ₹1,00,000, without taking into account the following adjustments:

- (a) Interest on capitals @ 2.5 % p.a.
- (b) Salary to Sanjay ₹18,000 p.a. and commission to Shakti ₹12,000.
- (c) Sanjay was allowed a commission of 6 % of divisible profit after charging such commission.

Pass a rectifying journal entry in the books of the firm. Show workings clearly. 4

16 Ajay, Binod and Chandra entered into partnership on 1st April 2019 with a capital of ₹3,00,000, ₹2,00,000 and ₹1,00,000 respectively. In addition to capital Chandra has advanced a loan of ₹1,00,000. Since they had no agreement to guide them, they faced following issues during and at the end of the year.

1. Ajay wanted interest on capital to be provided @8% pa but Binod and Chandra did not agree.
2. Chandra wanted that interest on loan be paid to him @ 10% pa but Ajay and Binod wanted to pay @ 5% pa.
3. Ajay and Binod demanded to share profits in the ratio of their capital contribution, Chandra is not in agreement with this proposal.
4. Binod, being working partner, demands a lump sum payment of ₹40,000 as remuneration for which the other two partners are not in agreement.

You are required to suggest and help them resolve these issues. 4

17 A business has earned average profits of ₹1,00,000 during the last few years and the normal rate of return in similar business is 10%. Find out the value of goodwill by (i) Capitalisation of super profit method. (ii) Super profit method, if the goodwill is valued at 3 years' purchase of super profit. The assets of the business were ₹10,00,000 and its external liabilities ₹1,80,000. 4

18. A, B and Care partners share profits and losses in the ratio of 3:2:1. Their capitals ₹1,00,000, ₹75,000 and ₹50,000 respectively. They agreed to allow interest on capital @ 10 % p.a. and agreed to charge interest on drawings @10% p.a. Their drawings for the year were ₹10,000, ₹8,000 and ₹6,000 respectively. C was very active getting a salary of ₹2,000 per month and in return, he guaranteed that firm's profit would not be less than ₹80,000 before charging or allowing interest and salary payable to C. Actual profit for the year 2011 was ₹75,000. Prepare Profit and Loss Appropriation Account and Partners Capital Account. 6

19. Aman and Chaman are partners sharing profits and losses in the ratio of 2:1. On 1st April, 2011 their capitals were Aman - ₹50,000 and Chaman - ₹40,000.

Prepare the Profit and Loss Appropriation Account and the Partners' Capital Account at the end of the year after considering the following items:

- a) Interest on Capital is to be allowed @ 5% p.a.
- b) Interest on partners' drawings @ 6% p.a. Drawings: Aman – ₹10,000 and Chaman – ₹8,000.
- c) Aman is entitled to get a salary @ ₹500 per month.
- d) 10% of the divisible profit is to be transferred to Reserve.

They earned profit of ₹70,500 for the year ended 31st March, 2012. 6

20 From the following information, calculate value of goodwill of M/s Amrit and Amar :

1. At three years purchase of average profit.
2. At three years purchase of super profit.
3. On the basis of capitalization of super profit.
4. On the basis of capitalization of average profit.

Information:

- a.Average capital employed- ₹10,00,000.
 - b.Net profit/loss of the firm for the past years 2021- ₹1,60,000; 2022- ₹1,40,000; 2023- ₹2,70,000
 - c.Normal Rate of Return on capital is 11%.
 - d.Remuneration to each partner for his service to be treated as a charge on profit ₹2,500/month
- Assets excluding goodwill- ₹11,00,000. Liabilities- ₹1,00,000.

21. Ram, Mohan and Sohan were partners sharing profits in the ratio of 2 : 1 : 1. Ram withdrew Rs. 3,000 every month and Mohan withdrew Rs. 4,000 every month. Interest on drawings @ 6% p.a. was charged, whereas the partnership deed was silent about interest on drawings. **Showing your working clearly, pass the necessary adjustment entry to rectify the error.**

22. Yadu, Vidu and Radhu were partners in a firm sharing profits in the ratio of 4 : 3 : 3. Their fixed capitals on 1st April, 2018 were Rs. 9,00,000, Rs. 5,00,000 and Rs. 4,00,000 respectively. On 1st November, 2018, Yadu gave a loan of Rs. 80,000 to the firm. As per the partnership agreement :

- (i) The partners were entitled to an interest on capital @ 6% p.a.
- (ii) Interest on partners’ drawings was to be charged @ 8% p.a.

The firm earned profits of Rs. 2,53,000 (after interest on Yadu’s loan) during the year 2018 □ 19. Partners’ drawings for the year amounted to Yadu : Rs. 80,000, Vidu : Rs. 70,000 and Radhu : Rs. 50,000. **Prepare Profit and Loss Appropriation Account for the year ending 31st March, 2019**

Direction Read the following hypothetical situation and answer Q. No. 23 and 24

Pia, Tia and Sia were partners in a firm trading in electrical appliances. They were sharing profits in the ratio of 5: 3 :2. Their fixed capitals on 1st April, 2022 were Rs. 6,00,000 Rs. 8,00,000 and Rs.16,00,000 respectively. After the flood in Uttarakhand, all partners decided to help the flood victims personally. For this, Pia withdrew Rs. 40,000 from the firm on 15th September, 2022. On the same date, Tia instead of withdrawing cash from the firm, took some appliances amounting to Rs. 48,000 from the firm and distributed those to the flood victims. On the other hand, Sia withdrew Rs. 4,00,000 from her capital on 1st January, 2023 and provided a mobile medical van in the flood affected area. The partnership deed provides for charging interest on drawings @ 6% per annum. Interest on capital was a allowed @ 10%

- 23 Interest on Sia's capital will be:
- (a) Rs. 60,000 (b) Rs. 80,000 (c) Rs. 1,00,000 (d) Rs. 1,50,000

24. Interest on Tia's drawings will be:
- (a) Rs. 1300 (b) Rs. 1560 (c) Rs. 2880 (d) Rs. 1440

25. The capital of the firm of Anuj and Benu is Rs. 10,00,000 and the market rate of interest is 15%. Annual salary to the partners is Rs. 60,000 each. The profit for the last three years were Rs. 3,00,000, Rs. 3,60,000 and Rs. 4,20,000. Goodwill of the firm is to be valued on the basis of two years purchase of last three years average super profits. Calculate the goodwill of the firm.

- (a)Rs.1,50,000 (b) Rs.1,80,000 (c) Rs.2,00,000 (d) Rs. 1,90,000

26. The goodwill of a firm is valued at Profit (Rs.)
3 years’ purchase of the average
profits of last 3 years. The profits of
the last three years were : Year

2015 – 16 :	Rs.4,00,000 (including an abnormal gain of Rs. 50,000)
2016 – 17	Rs.5,00,000 (after charging an abnormal loss of Rs. 1,00,000)

BY : SH. JITENDER SHARMA

**XII A,B,C –
PHYSICS :
HOLIDAY HOME
WORK- 2025**

	A body acquires a charge of 8 mC after it was struck by lightning during a thunderstorm. What is the difference between the number of protons and electrons on the body?	1M
2	Two point charges A and B have charges $+Q$ and $-Q$, respectively. They are placed at a certain distance. The force acting between them is F . If 25% of charge A is transferred to B, then find the force between the charges (in terms of F).	1M
3	Three identical charged particles A, B, and C, with a charge of $+q$, are present on the vertices of an equilateral triangle having sides of length a as shown in the figure. Find the resultant force on particle C.	1M
4	Three equal charges of $+q$ are placed at the corners of a regular hexagon of side a as shown in the figure. Find the force on $+q$, which is placed at centroid.	1M
5	Find the distance of the point from A where the net electric field is zero for the given configuration.	1M
6	a) Derive expression for the torque on an electric dipole in a uniform electric field? (2.5 M) b) What happens when an electric dipole is placed in a non-uniform electric field? (1/2 M)	3M
7	Define electric dipole moment? Derive an expression for the electric potential due to a point charge? (0.5 + 2.5)	3M
8	Using gauss's theorem derive expression for the electric field due to a linear	3M

	charged conductor of charge density λ . Draw a graph showing the variation of electric field with distance from the line of charge. (2.5 + 0.5)	
9	A uniformly charged conducting sphere of 2.4 m diameter has a surface charge density of $80.0 \mu\text{C}/\text{m}^2$. (a) Find the charge on the sphere. (b) What is the total electric flux leaving the surface of the sphere?	2M
10	In figure given below, the electric field lines on the left have twice the separation of those on the right. (i) If the magnitude of the field of A is 40 N/C , then calculate the force acting on a proton at A? (ii) What is the magnitude of field at B?	2M
11	A dipole, with a dipole moment of magnitude p , is in stable equilibrium in an electrostatic field of magnitude E . Find the work done in rotating this dipole to its position of unstable equilibrium.	2M

COMPUTER SCIENCE

1. COMPLETE YOUR NOTEBOOKS UPTO CHAPTER 3 (FUNCTIONS).
 2. PREPARE YOUR PROJECT REPORT ALONGWITH A PROGRAM CODE FOR THE SAME
 3. MONTHLY TEST WILL BE HELD AROUND 25 JUNE.
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INF. PRAC.

1. COMPLETE YOUR NOTEBOOKS UPTO SYLLABUS COVERED IN THE CLASS
2. PREPARE YOUR PROJECT REPORT ALONGWITH A PROGRAM CODE FOR THE SAME

3. MONTHLY TEST WILL BE HELD AROUND 25 JUNE.
 - 1.