RAO MOHAR SINGH MEMORIAL SR. SEC. PUBLIC SCHOOL
WINTER BREAK HOME WORK
GRADE VIII

Winter Break

WISHING ALL A WONDERFUL AND PROSPEROUS
NEW YEAR !!!

SCHOOL

WINTER BREAK HOLIDAY HOMEWORK

Class: VIII

Subject: English

Wishing all students a joyful, safe, and meaningful Winter Break!

SECTION – A : GRAMMAR

Q1. Nouns

Underline the nouns and write their type (Common / Proper / Abstract / Collective):

1. Courage helped Bepin Choudhary face his fear.

2. Education plays an important role in society.

3. The children enjoyed their holidays together.

4. Mountaineering requires determination and patience.

5. India remembers its brave soldiers.

Q2. Pronouns

Fill in the blanks with suitable pronouns:

1. Jody looked after _____ fawn carefully.

2. This book is mine; that one is _____.

3. The children hurt _____ while playing.

4. Bepin could not remember _____ past clearly.

5. The teacher praised _____ for honesty.

Q3. Verbs and Adverbs

Underline the verb and circle the adverb:

1. The grasshopper sang happily.

2. The mountaineer climbed steadily.

3. The children waited quietly.

4. The boy spoke politely to the teacher.

5. The rain fell gently.

Q4. Adjectives

Fill in the blanks with suitable adjectives:

1. Bepin Choudhary was a _____ man.

2. The summit was a _____ achievement.

3. The monsoon diary describes _____ weather.

4. The fawn was very _____.

5. Ancient India had a _____ education system.

Q5. Clauses

Identify the main clause and the subordinate clause:

1. I know that he is telling the truth.

2. She stayed at home because she was ill.

3. We will go out if the weather improves.

4. He is the boy who won the race.

5. I believe what you say.

Q6. Active – Passive Voice

Change the following sentences into Passive Voice:

1. The teacher explained the lesson.

2. The children cleaned the classroom.

3. People respect brave soldiers.

4. The boy wrote a letter.

5. The storm damaged the crops.

Q7. Reported Speech

Change the following into Indirect Speech:

1. The teacher said, "Work hard for success."

2. He said, "I have finished my homework."

3. She said, "I will help you."

4. Mother said, "Do not waste time."

5. The boy said, "I am feeling tired."

Q8. Prepositions

Fill in the blanks with suitable prepositions:

1. The cat jumped _____ the wall.

2. He was absent _____ school yesterday.

3. The book is _____ the table.

4. The children walked _____ the park.

5. She waited _____ her friend.

Q9. Conjunctions

Join the sentences using suitable conjunctions:

1. He worked hard. He failed.

2. She was tired. She completed her work.

3. I wanted to go out. It was raining.

4. Read carefully. You will make mistakes.

5. He was late. He missed the bus.

SECTION – B : LITERATURE

(A) Honeydew

Q10. Answer the following in 2–3 sentences:

1. Why did Bepin Choudhary suffer from a lapse of memory?

2. What does the lesson "The Summit Within" teach us?

3. Why was Jody attached to the fawn?

4. What impressed the author in "A Visit to Cambridge"?

5. How does "A Short Monsoon Diary" describe nature?

(B) Poems

Q11. Answer the following questions:

1. What is the message of the poem "The Last Bargain"?

2. Why is the schoolboy unhappy in "The School Boy"?

3. How does the poet contrast the grasshopper and the cricket?

(C) It So Happened

Q12. Answer the following in brief:

1. Why was Princess September unhappy?

2. What caused the fight in the lesson "The Fight"?

3. Why did Munna want to eat jalebis?

4. What were the main features of the ancient education system of India?

5. What problems do working children face in "Children at Work"?

SECTION – C : WRITING SKILLS

Q13. Paragraph Writing

Write a paragraph (120–150 words) on any ONE:

1. Importance of Education

2. Courage and Determination

3. A Memorable Journey

4. Role of Discipline in Life

Q14. Letter Writing

A. Formal Letter:

Write a letter to the Municipal Corporation complaining about poor cleanliness in your locality.

OR

B. Informal Letter:

Write a letter to your friend describing how you spent your winter holidays.

Q15. Article Writing

Write an article (150–180 words) on "The Importance of Education in Modern Life."

Q16. Notice Writing

Write a notice informing students about a School Annual Day Celebration.

Instructions:

✔ Do all work neatly in English notebook

✔ Maintain proper handwriting and format

✔ Submit on the first day after winter vacation

Rao Mohar Singh Memorial Sr. Sec. Public School
हिंदी – कक्षा 8

प्रश्न 1. पठन कार्य

किसी एक पुस्तक/कहानी को पढ़कर निम्न प्रश्न लिखें:

पुस्तक/कहानी का नाम

लेखक

मुख्य पात्र

कहानी का सार (120-150 शब्द)

प्रश्न 2. पाठ्यपुस्तक कार्य

निम्न पाठों के सार लिखिए (प्रत्येक 80-100 शब्द):

किसी 3 गद्य पाठ

किसी 2 पद्य पाठ

प्रश्न 3. व्याकरण कार्य

निम्न विषयों पर परिभाषा + 5-5 उदाहरण लिखिए:

संज्ञा	सर्वनाम
विशेषण	क्रिया
काल	वाच्य

प्रश्न 4. रचनात्मक लेखन

1. अनुच्छेद
विषय: मेरा प्रिय त्योहार / शीत ऋतु (120 शब्द)

2. पत्र लेखन
अपने मित्र को शीतकालीन छुट्टियों के अनुभव बताते हुए पत्र लिखिए।

3. संवाद लेखन
विषय: दो मित्रों के बीच पढ़ाई पर संवाद (6-8 पंक्तियाँ)

प्रश्न 5. शब्द-भंडार

10 पर्यायवाची शब्द

10 विलोम शब्द

5 मुहावरे (अर्थ व वाक्य सहित)

प्रश्न 6.कविता/निबंध

देशभक्ति कविता (10-12 पंक्तियाँ)

 या

निबंध - मेरा विद्यालय (150 शब्द)

प्रश्न 7. परियोजना कार्य

विषय: हिंदी भाषा का महत्व

भूमिका

महत्व

निष्कर्ष

1 चित्र (हाथ से बनाया या चिपकाया हुआ)

प्रश्न 8. निम्न अध्यायों के सार 80-100 शब्दों में लिखिए:

i) भारत की प्राचीन सभ्यता

   - सिंधु घाटी सभ्यता, नगर-योजना, सामाजिक जीवन और सांस्कृतिक विशेषताएँ।

ii) वैदिक काल और समाज

   - आर्य संस्कृति, वेद, सामाजिक व्यवस्था और विचारधारा।

iii) मौर्य और गुप्त काल

   - अशोक का धम्म, प्रशासन, कला और स्वर्ण युग।

iv) मध्यकालीन भारत

   - भक्ति-सूफी आंदोलन, सांस्कृतिक समन्वय।

v) आधुनिक भारत और राष्ट्रीय आंदोलन

   - ब्रिटिश शासन, स्वतंत्रता संग्राम, राष्ट्रीय चेतना।

RAO MOHAR SINGH MEMORIAL SR SEC PUBLIC SCHOOL HOLIDAY HOMEWORK

MATHEMATICS

CLASS-8

Session: 2025-26

Student Name: _____

Roll No.: _____

Teacher's Name: _____

ALL THE QUESTIONS ARE MANDATORY

1. **Find the area of a trapezium whose parallel sides are 12 cm and 20 cm and distance between them is 10 cm.**

2. **The base of a triangle is 14 cm and its area is 84 cm². Find its height.**

3. **Find the area of a rhombus whose diagonals are 24 cm and 10 cm.**

4. **Find the area of a kite with diagonals 16 cm and 12 cm.**

5. **The perimeter of a square is 48 cm. Find its area.**

6. **Find the area of a circle of radius 7 cm.**

7. **Find the circumference of a circle whose diameter is 28 cm.**

8. **Find the area of a semicircle of radius 14 cm.**

9. **Simplify: $2^3 \times 2^5$**

10. Simplify: $(5^3/5^2)$

11. Write 0.00000045 in standard form.

12. Evaluate: $(3^2)^4$

13. Simplify: $10^5/10^2$

14. Express 3,500,000 in power form.

15. Simplify: $7^0 + 5^0$

16. Find the value of 2^{-3}.

17. If 5 notebooks cost ₹120, find the cost of 12 notebooks.

18. If 15 workers can do a work in 20 days, how many days will 10 workers take?

19. Identify whether the following is direct or inverse proportion:
    Speed and time for fixed distance.

20. If x and y are in direct proportion and x = 10 when y = 5, find y when x = 20.

21. 8 men can finish a work in 15 days. How many men are needed to finish it in 10 days?

22. If the cost of 3 kg sugar is ₹150, find the cost of 7 kg sugar.

23. Write an example of inverse proportion from daily life.

24. If $y \propto x$ and y = 18 when x = 6, find y when x = 10.

25. Factorise: $x^2 + 7x + 10$

26. Factorise: $a^2 - 9$

27. Factorise completely: $4x^2 - 25$

28. Factorise: $x^2 - 5x - 6$

29. Factorise: $3x(x + 4) - 5(x + 4)$

30. Factorise: $a^2 + 5a + 6$

31. Factorise: $9y^2 - 1$

32. Factorise: $x^3 + x^2 - x - 1$

33. Draw the graph of $x + y = 6$.

33. Plot the points (2, 3), (−2, −3) and (3, −2).

34. Write the coordinates of the origin.

35. In which quadrant does the point (−4, 5) lie?

36. Plot the graph of $y = 2x$.

37. Find the x-coordinate of a point on y-axis.

38. How many quadrants are there in a Cartesian plane?

39. Write the coordinates of a point on x-axis.

40. Plot a graph to show the relation between distance and time.

42. Find the smallest 3-digit number divisible by 6, 8 and 12.

43. Find the HCF of 36 and 84.

44. Find the LCM of 12, 15 and 20.

45. Check whether 101 is a prime number.

46. Find the sum of first five natural numbers.

47. Find the digit at the tens place of 7^3.

48. Write the divisibility rule of 9.

49. Find a number which is divisible by both 4 and 9.

50. Find the prime factors of 360.

RAO MOHAR SINGH MEMORIAL SR SEC PUBLIC SCHOOL

CLASS: VIII
SUBJECT: SCIENCE

✨ SECTION A: MULTIPLE CHOICE QUESTIONS (MCQs)

1. Which of the following is a protected area for wildlife?
   a) Zoo
   b) Sanctuary
   c) Garden
   d) Farm
2. The hormone responsible for changes during adolescence in boys is:
   a) Estrogen
   b) Testosterone
   c) Insulin
   d) Thyroxine
3. Which product is known as black gold?
   a) Coal
   b) Petroleum
   c) Natural gas
   d) Coke
4. The vibration of an object produces:
   a) Heat
   b) Light
   c) Sound
   d) Electricity
5. Which device is used to protect buildings from lightning?
   a) Fuse
   b) Lightning conductor
   c) Insulator
   d) Switch
6. A mirror that always forms a virtual and erect image is:
   a) Concave
   b) Convex
   c) Plane
   d) Cylindrical

✨ SECTION B: FILL IN THE BLANKS

1. Deforestation leads to _____ of plants and animals.
2. Adolescence generally begins between _____ years of age.
3. Petroleum is refined in a _____.
4. The number of vibrations per second is called _____.
5. The sudden shaking of the Earth's surface is called _____.
6. The image formed by a plane mirror is _____ and _____.

✨ SECTION C: VERY SHORT ANSWER QUESTIONS

1. What is biodiversity?
2. Name the female sex hormone.
3. What is CNG?
4. Name the unit of frequency.
5. What is lightning?
6. Name one use of a convex mirror.

✨ SECTION D: SHORT ANSWER QUESTIONS

1. Why is conservation of forests important?
2. What are secondary sexual characters?
3. Differentiate between renewable and non-renewable resources.
4. Define amplitude and frequency of sound.
5. What is an earthquake?
6. What is lateral inversion?

✨ SECTION E: LONG ANSWER QUESTIONS

1. Explain the methods of conservation of plants and animals.
2. Describe the changes that occur during adolescence.
3. Explain the formation of coal and petroleum.
4. Describe how sound is produced and transmitted.
5. Explain the causes and safety measures of lightning.
6. State the laws of reflection of light with a neat diagram.

✨ SECTION F: DIAGRAM-BASED QUESTIONS

(Draw neat, labelled diagrams)

1. Food chain in a forest ecosystem
2. Parts of human ear
3. Lightning conductor
4. Ray diagram showing reflection in a plane mirror

🎇 SECTION G: FUN & LEARNING ACTIVITIES

🌿 Activity 1: Be a Nature Protector

Design a **colourful poster** with a strong message on
👉 **"Save Wildlife, Save Our Future"**
Use drawings, slogans, and symbols to show why plants and animals must be protected.
🎨 *Let your creativity speak for nature!*

🧍‍♂️🧍‍♀️ Activity 2: Growing Up – Understanding Adolescence

Prepare a **neat chart or scrapbook page** showing the **physical and emotional changes** that occur during adolescence in **boys and girls**.
🖍️ Use different colours and headings to make it attractive.

🛢️ Activity 3: From Earth to Energy

Find out and list **at least 8 useful products** obtained from **petroleum and coal**.
💡 Write one daily-life use of each product and paste pictures if possible.

🔊 Activity 4: Sound Detective

Perform a simple experiment at home:

- Strike a tuning fork or pluck a rubber band
- Observe what happens when it produces sound

✍️ Write your **observation and conclusion** to show that *sound is produced due to vibrations*.

⚡ Activity 5: Safety First!

Prepare a **Do's and Don'ts list** to be followed during an **earthquake or lightning**.
📋 Present it in the form of a **safety card or mini booklet** that can help others too.

▯ Activity 6: Mirror Magic

Stand in front of a **plane mirror, convex mirror, and concave mirror** (if available).
👀 Observe the image formed and note:

- Size of image
- Position
- Nature (erect or inverted)

📔 Record your findings in a small table.

WINTER HOLIDAY HOMEWORK
Class 8 – Social Science

Use short answers, points, tables, maps, or drawings. Do not copy from the internet. Write what you understand.

1. When People Rebel: 1857 and After

Map Work:

On an outline map of India, mark and label any three centres of the Revolt of 1857 (for example: Delhi, Kanpur, Lucknow, Jhansi).

Written Task:

Choose one centre and write:

- Who led the revolt there?

- One reason people rebelled in that area.

(4–5 lines)

2. Industries

Map Work:

On an outline map of India, mark and label:

- One iron and steel centre

- One cotton textile centre

Written Task:

Answer in points:

- Why are industries not set up everywhere?

- Write one advantage and one problem of industries.

3. Understanding Marginalisation

Written Task:

Choose one marginalised group from the chapter.

Write:

- One reason why this group became marginalised

- One government effort to support them

Paste or draw a newspaper cutting related to marginalisation and write a 3-line summary.

4. Civilising the Native, Educating the Nation

Project Task:

Ask your parents or grandparents:

- What was their school like?

- What subjects were taught?

Write:

Two differences between education today and education during British rule.

Draw an old classroom and a modern classroom.

5. Women, Caste and Reforms

Map Work:

On an outline map of India, mark one place related to a social reformer you studied (birthplace or area of work).

Written Task:

- Name of the reformer

- One reform they worked for

- Why this reform was important

6. Making the National Movement

Project Task:

Create a small timeline of any five events of the national movement between 1857 and 1947.

Write one sentence:

Which event do you think united people the most and why?

7. Public Facilities

Project Task:

Observe your locality and fill the table:

Facility – Available – Needs Improvement

Water

Electricity

Roads

School

Hospital

Written Task:

Which facility should the government improve first and why?

Rao Mohar Singh Memorial Sr. Sec. Public School, Najafgarh

Grade: 8th
SUBJECT: DRAWING
Holiday homework

Name of the student:
Class and section:
Roll no.:

1.Draw a freedom fighter sketch and color it on A3 sheet.

2. Craftwork : Make a wall hanging on republic day using different things.
(Plastic bottle, wooden stick ,colorful sheets, tissue paper thread)

SUBJECT:- COMPUTER

Section A – Multiple Choice Questions

i. The tag used to insert an image in HTML is:

    a) <image>   b) <img>   c) <src>   d) <pic>

ii. Which of the following attributes specifies the path of an image?

    a) src   b) path   c) href   d) loc

iii. The <a> tag in HTML is used to create:

    a) a link   b) an image   c) a table   d) a frame

iv. The <frameset> tag divides a web page into:

    a) headings   b) columns or rows   c) tables   d) lists

v. An algorithm is a sequence of:

    a) Random steps   b) Logical steps   c) Functions   d) Loops

vi. The while loop in Python runs:

    a) fixed no. of times   b) as long as a condition is true   c) until the user stops it   d) None of these

vii. The function len("Python") returns:

    a) 5   b) 6   c) 7   d) Error

viii. A user-defined function in Python starts with the keyword:

    a) define   b) def   c) function   d) create

ix. The AI domain that focuses on image recognition is:

    a) NLP   b) Robotics   c) Computer Vision   d) Data Science

x. AI systems that can understand and respond to human speech belong to:

    a) NLP   b) Machine Learning   c) Robotics   d) Deep Vision

xi. The loop that iterates through a sequence of values in Python is:

    a) while loop   b) for loop   c) nested loop   d) repeat loop

xii. Which tag helps you add a clickable image?

    a) <a>   b) <img>   c) <a href> with <img>   d) <frame>

Section B – Fill in the Blanks

i. The tag <img> requires the _____ attribute to specify the image source.

ii. The <a> tag uses the _____ attribute to link webpages.

iii. A group of statements that repeat again and again is called a _____.

iv. The keyword used to define a function in Python is _____.

v. The domain of AI that deals with human conversation is _____.

vi. A _____ is a set of step-by-step instructions to solve a problem.

vii. A function can return a value using the keyword _____.

viii. The <frameset> tag divides the browser window into multiple _____.

ix. In a for loop, the number of iterations is known _____ execution.

x. The process of giving meaning to words in AI is known as _____.

Section C – Short Answer Questions

    i.   Explain the use of the <img> tag in HTML with an example.
   ii.   What is the difference between a relative and absolute path in HTML images?
  iii.   Define hyperlink. Give an example using the <a> tag.
  iv.   What is an algorithm? Why is it important in programming?
   v.   Explain the use of the for loop in Python with a small example.
  vi.   How does a while loop differ from a for loop?
 vii.   Write any two advantages of using functions in Python.
viii.   What is a string in Python? Write an example showing slicing.
  ix.   Name and describe any three domains of AI.
   x.   Explain the term Algorithmic Intelligence in your own words.

Section D – Practical Zone

1. HTML PRACTICE

Create a webpage titled "My Favorite Tourist Places" that includes:

- A heading and short paragraph
- At least two images of places
- One hyperlink to a tourism website
- Divide the page into two frames — left frame for list, right for images

(If computer not available, write HTML code in your notebook.)

2. PYTHON PRACTICE

a. Using Loops:
Write a program to print the table of any number entered by the user.
b. Using Strings:
Write a Python program to count how many vowels are present in a string.
c. Using Functions:
Write a function add (a, b) that returns the sum of two numbers.
d. Using Nested Loops
Write a program to display the following pattern:
*
**
***
****
*****

3. ALGORITHM TASK
Write an algorithm and flowchart to find the largest among three numbers.

Section E – Artificial Intelligence Awareness

1. Match the following:

Column A   Column B

a) NLP   i) Self-driving cars

b) Robotics   ii) Speech recognition

c) Computer Vision   iii) Image detection

d) Algorithmic Intelligence   iv) Step-by-step problem-solving

2. Answer briefly:

a) What is the role of Computer Vision in daily life?

b) How does AI help doctors in healthcare?

c) Mention two examples of NLP-based applications.

d) How does Algorithmic Intelligence improve decision-making?

3. Think and Write:

Write a paragraph (8–10 lines) on:

"How Artificial Intelligence is Transforming Our Future."

🎨 Section F – Creative Task

According to Roll No.

  i.   Create a colourful chart showing "Generation of Computers and key Technologies Used." **.(Roll No.: 1-15)**
   - Mention features, year range, main components, and examples
  ii.   Make a detailed chart on "Types of Memory in Computer." **(Roll No.: 16-30)**
   - Include: Primary(RAM, ROM, Cache),Secondary(Hard Disk,SSD), and Tertiary(Cloud)
   - Write a short note on "Difference between RAM and ROM."
  iii. Create a poster/chart on "Domains of Artificial Intelligence" — include images and short descriptions for: **(Roll No.: 31-45)**
   - Robotics
   - Natural Language Processing
   - Expert Systems
   - Computer Vision
   - Machine Learning

❖ Write a short note on:

"Why Learning Coding and AI is Important for Students."

अनुक्रमांकः ....   विषयः- संस्कृतम्

छात्रस्य नाम...........   अध्यापकस्य नाम ....

कक्षा - VIII

प्र.1 गद्यांश पठित्वा प्रश्नानाम् उत्तराणि लिखत्

ग्रीष्मकालः सुखदस्य वसंतकालस्य भाग आगच्छति। ग्रीष्मकाले सूर्यस्य अत्पः प्रखरः वर्तते। मानवाः पशु-पक्षिणः वृक्षाः, पादपाः चापि प्रखर-तापेन व्याकुलः भवन्ति। केचित् जनाः विहाराय पर्वतस्थलेषु गच्छन्ति, केचित् गृहे वातानुकूलितेषु कक्षेषु तिष्ठन्ति । नदयः, स्रीमाः, तदागाः च शुष्यन्ति। सर्वत्र जलस्य अभावः दृश्यते। परं यदि ग्रीष्म-कालस्य प्रचण्डः तापः न स्यात् प्रकारि मेघाः कथं भविष्यन्ति। मेघं विना कुतः वृष्टिः? ग्रीष्मकालस्य प्रभावात् एव वर्षा ऋतुः आगच्छति। ग्रीष्मकाले गुलमोहर-वृक्षेषु रक्तानि पुष्पाणि अतिव शोभन्ते। मल्लिका-मालती-पादपेषु सुगंधमयनि श्वेतानि पुष्पाणि विकसन्ति ।

1. एक पदेन उत्तराणि लिखत-
    (क) ग्रीष्मकालः कस्य कालस्य भाग आगच्छति?
    (ख) जनाः किमार्थं पर्वतस्थलेषु गच्छन्ति?
    (ग) ग्रीष्मकाले कस्य अभावः दृश्यते?
    (घ) ग्रीष्मकाले केशु वृक्षेषु रक्तानि पुष्पाणि आगच्छन्ति?
2. तृतीय. यथा निर्देशम् उत्तराणि लिखित
    स्यात् = धातुः........, लकारः........, वचनम्.........
    पुरुष: ....
    विभक्तिः 2. विहाराय =........   वचनम् ....

प्र.2 शुद्ध पदं चित्वा लिखत् ..

1. सप्त +ऋषि (सप्तार्षिः, सप्तर्षि, सप्तेषिः)............

2. मम +एव (ममेव, ममिव, ममैव)..............

3. सर्व +उपरि (सर्वपरि, सर्वोपरि, सर्वपरि)...........

4. पितृ+ आदेशः (पितादेशः, पितरादेशः, पित्रादेशः)...........

5. यदि +अपि (यद्यापि, यद्यपि, यदियपि)............

प्र.3 सन्धिः विच्छेदः वा क्रियताम् (सन्धि अथवा विच्छेद कीजिए-)

1. महर्षिः..........
2. चापि ....
3. ममेच्छा ......
4. अध्ययनाभिलाषा ....
5. भवति ....

प्र.4 स्वर सन्धिः परिभाषा लिखत्

....…

प्र.5 गुण संधि परिभाषा उदाहरणं च लिखत्।

प्र.6 आयादि संधि परिभाषा उदाहरणं च लिखत्-

प्र.7 संधि कतिविधः नामानि च लिखत्।

प्र.8 कति कारकाणि नामानि च लिखत् ।

प्र.9 कर्म कारकस्य परिभाषा उदाहरणं च लिखत।

प्र.10 संप्रदान कारकस्य परिभाषा उदाहरणं च लिखत।

प्र.11 संख्या संस्कृते लिखत्- (50-70)

प्र.12 खाद् धातु (लट् , लृट , लड् , लोट्) रूपाणि लिखत्।

प्र.13 गद्यांश पठित्वा प्रश्नानाम उत्तराणि लिखत् -

पूर्वदिशायाम् उदेति सूर्यः पश्चिमदिशायां पश्चिमदिशायां च अस्तं गच्छति इति दृश्यते हि लोके। परं न अनेन अवबोध्यमस्ति यत्सूर्यो गतिशील इति। सूर्योऽचलः पृथिवी च चला या स्वकीये अक्षे घूर्णति इति साम्प्रतं सुस्थापितः सिद्धान्तः। सिद्धान्तोऽयं प्राथम्येन येन प्रवर्तितः, स आसीत् महान् गणितज्ञः ज्योतिर्विच्च आर्यभटः। पृथिवी स्थिरा वर्तते इति परम्परया प्रचलिता रूढिः तेन प्रत्यादिष्टा। तेन उदाहृतं यद् गतिशीलायां नौकायाम् उपविष्टः मानवः नौकां स्थिरामनुभवति, अन्यान् च पदार्थान् गतिशीलान् अवगच्छति। एवमेव गतिशीलायां पृथिव्याम् अवस्थितः मानवः पृथिवीं स्थिरामनुभवति सूर्यादिग्रहान् च गतिशीलान् वेत्ति।

(क) सूर्य कुत्र गच्छति?
(ख) सूर्यः कथम् अस्ति?

(ग) क: सुस्थापित सिद्धांत:?

(घ) शून्यस्य आविष्ककर्ता क:?

प्र.14 दशम: पाठ: नीतिनवनीतम् श्लोकानाम् हिंदी भावार्थ लिखत्

अभिवादनशीलस्य नित्यं वृद्धोपसेविनः।

चत्वारि तस्य वर्धन्ते आयुर्विद्या यशो बलम् ।।1।।

यं मातापितरौ क्लेशं सहेते सम्भवे नृणाम्।

न तस्य निष्कृतिः शक्या कर्तुं वर्षशतैरपि ।।2।।

तयोर्नित्यं प्रियं कुर्यादाचार्यस्य च सर्वदा।

तेष्वेव त्रिषु तुष्टेषु तपः सर्व समाप्यते ।।3।।

सर्व परवशं दुःखं सर्वमात्मवशं सुखम्।

एतद्विद्यात्समासेन लक्षणं सुखदुःखयोः

प्र.15" संस्कृत भाषा महत्व" विषये अनुच्छेदं लिखन्तु-

प्र.16 गुरु ऊकारान्त शब्द रुपाणि लिखत्।

प्र.17 छात्र अकारान्त शब्द रुपाणि लिखत्।

प्र.18 भगिनी सप्तके कानि राज्यानि सन्ति नामावाली लिखत् –

प्र.19 पदनिर्माणं कुरुत-

धातुः	प्रत्ययः	पदम्
कृ	तुमुन्।	....
तृ	तुमुन्।	....

प्र.20।
उपसर्गः	धातुः	प्रत्यय:
उप्	गम्।	....
सम्	पूज्।	....
आ	नी।	....

परा   दा।   ....