SUMMER HOLIDAYS HOMEWORK CLASS IX SESSION 2025-26

ENGLISH

1.Complete all assigned tasks and submit on the designated date.
2.Ensure neatness , clarity and organization in your work.
3.Follow specific guidelines for each task.
4 Use reference materials , textbooks or online resources as needed.
5 Seek Parental / Guardian support if required.

Tips To Be Followed:
●Create a schedule to manage time effectively.
●Review & Revise work before submission
●Ask teachers for clarification if needed

By following these instructions , you'll make the most of your holidays homework and be well prepared for the upcoming academic session!
1.Do **Practice Assignment** of Unseen Passages (**Reading Sec) Pg no** 27 to Pg no 50 & **Homework Assignment** Pg no 51 to 72
WRITING SEC
2.Descriptive Paragraph Practice Assignment Pg no 83 to Pg no 91
3.**Short Story Practice Assignment** Pg no 152 to 159

GRAMMAR
(BBC)
● Tenses **Practice Assignment Pg no 185 to Pg no 188**
●Determiners Pg no 174 & 175
●Modals Pg no 191 to Pg no 193
●Reported Speech Pg no 201 & 202
●Literature- Pg no 266 to 268 , 271 & 272 ,278 & 279 , 281 to 283, 310 to 313 , 316 to 318 , 320 to 322 , 324 to 326
Learning Work
Beehive (Prose)
The Fun They Had
The Sound of Music (Part 1 & 2)
The Little Girl
A Truly Beautiful Mind

Poetry
The Road Not Taken
Wind
Rain on the Roof

Moments
●The Lost Child
●The Adventure of Toto
● Ishwaran the Storyteller
Revise short and long question answer and extract based on the chapters & Poems

Project Work

(Make a project file on Robert Frost)
● Write down the biography ,Childhood , famous poems , Awards and Facts on A 4 sheet only
●Write down a famous poem of Robert Frost on A 4 sheet
(Compile all the used A 4 sheets related to Robert Frost Project in a Folder)

Project cover page should be computerized &
All the Particulars should be mentioned on it like:
● **School name**
●**Project Title**
●**Subject**
●**Student's Name**
Class & Sec. , Roll No
●**Submitted To (Teacher's Name)**
●**Submitted By (Student's Name)**
●**Date of Submission**
● **Academic Year (2025-2026)**

Students are directed to read English newspaper and magazines daily and update themselves with the current affairs.

HINDI

1. एवरेस्ट मेरी यात्रा पाठ के आधार पर बछेंद्री पाल का जीवन परिचय लिखते हुए माउंट एवरेस्ट की विभिन्न चोटियों का चित्रण करते हुए एक परियोजना का निर्माण करें रंगीन चित्र सहित।
2. सर चंद्रशेखर वेंकटरमन पाठ के आधार पर भारत के विभिन्न वैज्ञानिकों तथा उनकी उपलब्धियां पर एक परियोजना का निर्माण करें जिसमें उनके जीवन की जानकारी चित्रों सहित निहित हो।
3. रहीम के किन्हीं दो दोहों का लेखन A4 शीट पर चित्र सहित करें।
4. उपसर्ग तथा प्रत्यय के विभिन्न शब्दों का वर्णन A4 शीट पर करें। जो आपकी हिंदी व्याकरण में निहित है।
5. विभिन्न प्रश्नों के उत्तर ग्रीष्म अवकाश कार्य की पुस्तिका में लिखें।
    1. शिखर पर चढ़ने वालों को किन-किन कठिनाइयों का सामना करना पड़ता है और उनके क्या परिणाम होते हैं एवरेस्ट मेरी शिखर यात्रा पाठ के आधार पर बताएं।
    2. दुख का अधिकार कहानी में किन सामाजिक बुराइयों का उजागर किया गया है स्पष्ट करें।
    3. एवरेस्ट यात्रा में क्या-क्या तैयारी करनी पड़ती है पाठ के आधार पर स्पष्ट करें।
    4. कभी रैदास ने अन्य कवियों नामदेव,कबीर ,त्रिलोचन, सदना की चर्चा अपने कविता में क्यों की है वर्णन करें।
    5. संधि किसे कहते हैं उसके प्रकारों का वर्णन करें।
    6. दुख का अधिकार कहानी से स्पष्ट होता है कि पैसे की कमी और अभाव आदमी को दुख मनाने का अधिकार भी नहीं देते कैसे और क्यों स्पष्ट करें।

7. आप और आपके मित्र के बीच हुई बातचीत को संवाद के रूप में लिखें जिसमें ग्रीष्मकालीन अवकाश में आपने क्या-क्या किया उसके बारे में चर्चा की गई हो।
8. रमन प्रभाव की खोज क्या है उसका वर्णन करें।
9. हिमस्खलन क्या होता है?इससे क्या-क्या हानियां होती है?
10. रैदास के पद प्रभु जी तुम घन बन हम मोर जैसे चितवत चंद चकोरा का भाव अपने शब्दों में स्पष्ट करें

7. **निम्न कार्य को अपने हिंदी व्याकरण के आधार पर करें।**
1. 5 से 10 तक अनुच्छेद लेखन अपनी उत्तर पुस्तिका में करें।
2. किन्ही पांच संवादों का लेखन करें
3. विभिन्न विषयों पर किन्ही पांच पत्रों का लेखन करें।

MATHEMATICS Ch- 1 (Number system)

Ch-2 (Polynomials)

Ch-3 (Coordinate Geometry)

Ch -4 (Linear equations in two variables)

Practice All NCERT questions from Chapters as assignment.

Submit after holidays.

Write the following activities in Maths lab Manual book.

1. To construct a square root spiral.
2. To verify the identity $(a+b)^2 = a^2+2ab+b^2$ geometrically.
3. To find the values of abscissa and ordinates of various points given in a Cartesian plane.

SOCIAL STUDIES

On outline map of India

locate and label the
following features with
appropriate symbols
i. Konkan Coast
ii. Malabar Coast
iii. Coromandel Coast
iv. Mountain Peak-K2,Kanchenjunga ,Anai Mudi
v. Mountain Range: The Karakoram,The Zasker,The Shivalik ,The Aravalli,The Vindhyan,The Satpura
Projects :-
Interdisciplinary Project:-Natural Vegetations To Commercial Forestry
Prepare a project in a project file on the topic “Disaster Management”.
(15-20 A4 size sheets)
Learn and revise all the completed chapters. (Geography ,Civics and History)
Write the Fundamental Rights and Fundamental Duties of the Indian Constitution on A4 sheet
Learn and understand the Preamble of the Indian Constitution.

Write about the Green Revolution with Examples.

Make a poster: Create a poster on a social science topic or a famous historical figure.

SCIENCE

1. Define displacement of a particle in linear motion. Does it depend upon the origin? 1

2. A cyclist once goes round a circular track of diameter 105 m in 5 minutes. Calculate his speed. 1

3. Define (a) average speed (b) average velocity. 1

4. Equations of motion can be used for a body having 1

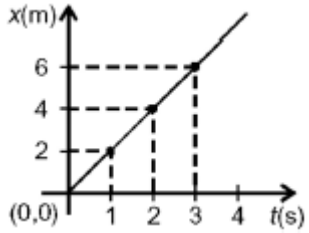
   (i) uniform motion

   (ii) non-uniform motion

   (iii) uniform acceleration

   (iv) non-uniform acceleration

5. The slope of the x – t graph is a measure of



1

   (i) velocity = 2 ms^{-1}

   (ii) acceleration = $\frac{1}{2}$ ms^{-2}

   (iii) velocity = $\frac{1}{2}$ ms^{-2}

   (iv) acceleration = 2 ms^{-2}

6. For a body starting from rest, the displacement in 10 seconds, when it acquires 4 ms^{-1} in 2 seconds is 1

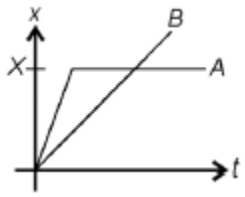
   (i) 25 m

   (ii) 50 m

   (iii) 500 m

   (iv) 100 m

7. Motion of bodies A and B is depicted by the x–t graph. Then which of the following is/are incorrect ?



1

A : A has uniform motion.
B : B has less velocity than A initially
C : B crosses A at X
D : A comes to rest at X

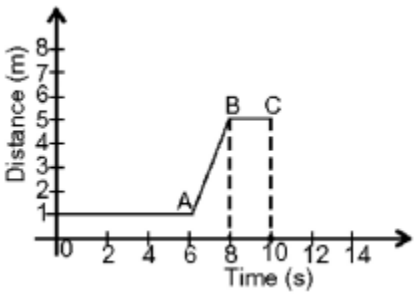
(i) Only A

(ii) Only B and C

(iii) Only B, C and D

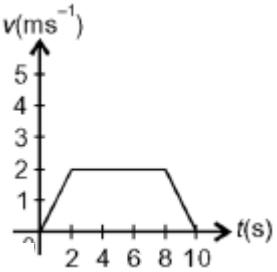
(iv) All of them

8. The v–t graph for the x–t graph given here is best drawn as



1

(i)



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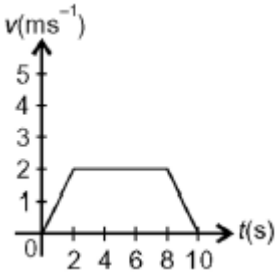
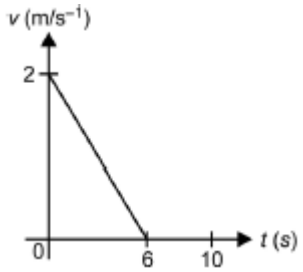
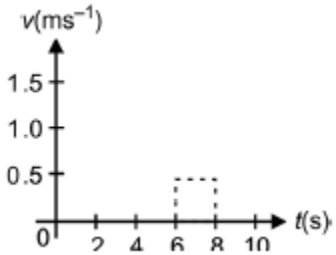


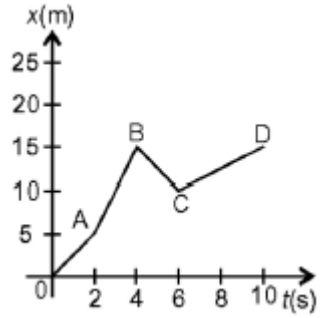
(iii)



(iv)



9. From the x – t graph, one can draw the following conclusions :



1

A : $v_{OA} < v_{AB}$
B : v_{BC} is negative
C : v_{CD} is the least by magnitude
D : acceleration is uniform

(i) Only A is correct

(ii) Only B and C are correct

(iii) Only A, B and C are correct

(iv) Only D is correct

10. For a uniformly accelerated body with initial and final velocities as u and v ms^{-1}, the average velocity is 1

(i) $\frac{a}{2}$

(ii) $\frac{v}{2}$

(iii) $\frac{u+v}{2}$

(iv) $\frac{v-u}{2}$

11. In a uniformly accelerated motion,

A : v – t graph is a straight line not parallel to t or v axis.
B : x – t graph is not a straight line.
C : Slope of v – t graph varies.
D : Slope of x – t graph is constant. 1

(i) Only A is correct

(ii) Only A and B are correct

(iii) Only A, B and C are correct

(iv) Only B, C and D are correct

12. Area below v – t graph is a measure of 1

(i) Acceleration

(ii) Displacement

(iii) Angular speed

(iv) Angular acceleration

13. If the velocity of a body is reducing, it is said to have 1

(i) Negative acceleration

(ii) Retardation

(iii) Positive acceleration

(iv) Both (a) and (b)

14. For a body moving in a straight line, there can

be situations with 1
A : $v = 0, a \neq 0$
B : $a = 0, v \neq 0$

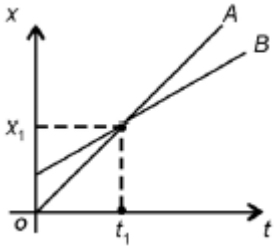
(i) Only A is correct

(ii) Only B is correct

(iii) Both A and B are correct

(iv) Both are incorrect

15. One can conclude from the given x-t graph that



1

(i) $V_A > V_B$

(ii) $V_A < V_B$

(iii) $V_A = V_B$ at x_1

(iv) $a_A = a_B$ ¹ 0.

16. If the v – t graph is a straight line inclined to the time axis, then 1

(i) a = 0

(ii) a ≠ 0

(iii) a = constant ≠ 0

(iv) a ≠ constant ≠ 0

17. A body starting at a point, say A, reaches, say B, ahead in a straight line and returns back to A. Then there is 1

(i) positive displacement

(ii) negative displacement

(iii) zero displacement

(iv) cannot be said

18. A car accelerates uniformly from 18 km/h to 36 km/h in 5 minutes. The acceleration is 1

(i) 5 ms^{-2}

(ii) 1 km/s^2

(iii) 216 ms^{-2}

(iv) 216 km/h^2

19. A body moves in a circle of radius 5 m with a speed of 5 ms^{-1}. Then it has

1

A : an acceleration of 5 ms^{-2}
B : an acceleration varying with direction alone

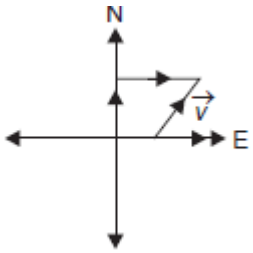
(i) Only A is correct

(iii) Only B is correct

(iii) Both A and B are correct

(iv) Neither A nor B is correct.

20. A man walks with a speed of 5 ms^{-1} northwards and then turns to his right to move with the same speed. The change in velocity is



1

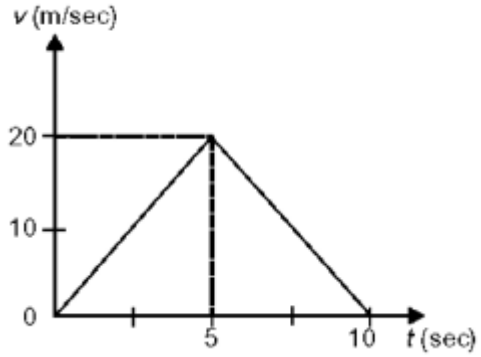
(i) $5\sqrt{2}$ NE

(ii) $5\sqrt{2}$ SE

(iii) $5\sqrt{2}$ SW

(iv) $25\sqrt{2}$ SE

21. The displacement of the body in 5 seconds from the beginning of the motion is



1

(i) 12.5 m

(ii) 100 m

(iii) 87.5 m

(iv) 50 m

22. Pranesh is in seat number 48 of a train moving with a speed of 18 km/h and Srinidhi is standing on the platform. Then

A : Pranesh is at rest according to another passenger in the train.
B : Srinidhi is moving according to Pranesh
C : Pranesh is moving according to Srinidhi
D : Pranesh is moving according to the train
Then the incorrect options are 1

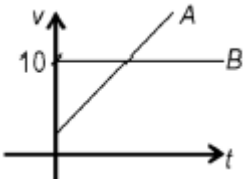
(i) A, D

(ii) B, C

(iii) B, D

(iv) Only D

23. The v-t graph shown here depicts the motion of A and B such that 1



(i) they collide when their velocity is 10 ms^{-1}.

(ii) velocity of A exceeds beyond 10 ms^{-1}.

(iii) both A and B have non-zero acceleration

(v) both A and B have zero acceleration.

24. Suppose a boy is enjoying a ride on a merry-goround which is moving with a constant speed of 10 ms^{-1}. It implies that the boy is 1

(i) at rest

(ii) moving with no acceleration

(iii) in accelerated motion

(iv) moving with uniform velocity.

25. Area under a v–t graph represents a physical quantity which has the unit 1

(i) m^2

(ii) m

(iii) m^3

(iv) ms^{-1}

Assignment

1.What is the primary function of leucoplasts?
2. Name and define the mechanism responsible for release of water on adding salt to the vegetables.
3.Why viruses cannot reproduce outside the cell.
4. Grass looks green and papaya appears yellow. Which is the cell organelle responsible for this? Write the structural features of this organelle.
5.What is the significance of presence of cell sap in vacuoles?
6.List two similarities and two dissimilarities between a plant cell and an animal cell.
7.Tabulate the difference between nucleoid and nucleus.
8. How are following related to each other?
Chromatin and chromosomes. (ii) Chloroplast and chlorophyll. (iii) Genes and DNA.
9.Explain the structural difference between plastids and mitochondria. Write one similarity between the
two.
10. Distinguish between hypotonic solution, isotonic solution and hypertonic solution.
11. Draw a well labelled diagram of an animal cell and label the following organelles:
(i)The organelle that contains powerful digestive enzymes.
(ii) The organelle that has its own DNA.
(iii) The organelle that forms cytoplasmic framework.
(iv) The organelle that helps in expelling out excess water in Amoeba.
12.Explain your observation in the following with reason involved in the process.
(i) Salt is applied to raw mango pieces.
(ii) Dried almonds are kept in water for few hours.
(iii) Excess amount of fertiliser is added to green grass lawn.
(iv) A red blood cell is kept in a concentrated salt solution.
13. Draw a neat labelled diagram of a prokaryotic cell.
14. What are the three main functions of the cell membrane?
15. Which part of the plant cell permits it to withstand very dilute external medium without bursting and how?
16. Why is the inner membrane of mitochondria deeply folded?
17. Differentiate between RER and SER. How is endoplasmic reticulum important for membrane biogenesis?
18. If cells of onion peel and RBC are separately kept in hypotonic solution, what among the following will take place? Explain the reason for your answer.
(i) Both the cells will swell.
(ii) RBC will burst easily while cells of onion peel will resist the bursting to some extent.
(iii) a and b both are correct.
(iv) RBC and onion peel cells will behave similarly.
19.A person takes concentrated solution of salt, after sometime, he starts vomiting. What is the phenomenon responsible for such situation? Explain.
20. Why does the skin of your fingers shrink when you wash clothes for a long time?

2.Revise all the work done in your notebook.
3.Make a Portfolio and PowerPoint presentation on following topics as per roll no's
Biology : (Roll number -1-20) Topic :-
1. Disease caused by Microbes (Virus , Bacteria and Protozoans)
2. Pulse polio program
3. Health and its Failure, Infectious and non infectious Diseases

(Roll No 21 - 40)
1.Pollution and it's chemical cause
2. Fuel and combustion
3. Water purification and treatment
4. Use of chemistry in daily life

Physical Activity Trainer

Note: write below questions in your notebook and also learn .

1. Role of physical education in child development
2. What are the physical and emotional needs of children.
3. Explain the factors influencing physical activity.
4. What are the physical activity plan& their importance.
5. Social and physical domain for early childhood.
6. Explain cognitive and affective domain of physical education.
7. Explain the factors influencing physical activities.
8. Write down the definition of ECTOMORPH, MESOMORPH, ENDOMORPH
9. What is nutrition and its importance
10. What is planning and its importance
11. What is ABC framework and their skills Project work(On A3 sheets)

1. flow chart of physical abilities and mental abilities.
2. Flow chart of social & ntellectual abilities. Assignment work

1. Prepare assignment on physical education & their factors(minimum 10 pages)
2. Prepare assignment nutrition &* diet.
3. Assignment on ECTOMORPH, MESOMORPH, ENDOMORPH.

DRAWING

1. Make a painting of ulizard dance through the use of painting or water colours in your Art & Craft File with the help of Internet .
2. Draw a Architecture Sun Temple Indian Folk Art by using (charcoal or drawing pencils) in your Art & craft File with the help of Internet .
3. Make a Canvas painting by using (A4 canvas, water colours) you can also take ideas from Internet .

ARTIFICAL INTELLIGENCE

Note Learn all questions in your note book and book (unit 1)

AI is a form of intelligence; a type of technology and a field of study. AI theory and development of computer systems (both machines and software) are able to perform tasks that normally require human intelligence. Artificial Intelligence covers a broad range of domains and applications and is expected to impact every field in the future. Overall, its core idea is building machines and algorithms which are capable of performing computational tasks that would otherwise require human like brain functions Holiday's homework

Answer the following in your own words (write answer)

1. What do you think Artificial Intelligence is?

2. What do you want to learn about AI?

3. Can complex computer program copy human behaviour, which is often illogical and unpredictable ? Give reason to support your answer.

4. How do you think Artificial Intelligence can help you as you go about your daily life?

Fill in your ideas & Explain it below: (Do this on colored A4