HOLIDAYS HOMEWORK

ENGLISH

I Revise all the chapters done in class and syllabus of Periodic Test I as mentioned   below :

Reading: Unseen Comprehension Passages

Writing: Letter to the Editor

Grammar: Tenses and Modals

Literature

Book: FIRST FLIGHT
Prose:
Ch-1: A Letter to the God
   Ch-2: Nelson Mandela: Long Walk to Freedom
Poetry:
(i) Dust of Snow
 (ii) Fire and Ice

Book :Footprints Without Feet
Ch-1: A Triumph of Surgery
ch-2 : A Thief's Story

II ACTIVITY AND PROJECT WORK

PROJECT WORK 1: Write an article/jokes/riddles/poems etc for the school magazine. Please make sure it is not copied from any source.

PROJECT WORK 2: Make a Power Point Presentation on the topic allotted against the Roll Numbers.

Sr. No.	Roll No.	Topic
1	1to 6	**A Triumph of Surgery**
2	7 to 12	**Nelson Mandela :Long Walk to Freedom**
3	13 to 18	**A Letter to God**
4	19 to24	**The Thief's Story**
5	25 to 30	**Dust of Snow**
6	31 to 36	**Fire and Ice**

Assignment No. 1

EXTRACT BASED QUESTIONS

1.   **On that lovely autumn day I was accompanied by my daughter Zenani. On the podium, Mr De Klerk was first sworn in as second Deputy President. Then Thabo Mbeki was sworn in as first Deputy President. When it was my turn, I pledged to obey and uphold the Constitution and to devote myself to the well-being of the republic and its people.**

 (a) Who accompanied Nelson Mandela on the inauguration?
 (b) Who took the oath before Mandela?
 (c) Find out the word from the passage that has the same meaning as 'maintain'.
 (d) ……. means a small platform on which a person stands on when giving a speech
     etc.

2. **Lencho was an ox of a man, working like an animal in the fields, but still he knew how to write.**

   (a) What was Lencho's only hope?
   (b) How did Lencho work in the field?
   (c) Explain 'an ox of a man'.

3. **When he finished, he went to the window to buy a stamp which he licked and then affixed to the envelope with a blow of his fist. The moment the letter fell into the mailbox the postmaster went to open it. It said: "God: Of the money that I asked for, only seventy pesos reached me. Send me the rest, since I need it very much. But don't send it to me through the mail because the post office employees are a 'bunch of crooks'. Lencho."**
   (a)What did Lencho do with the stamp?
   (b) What did the postmaster do when the letter fell into the mailbox and why?
   (c) Find out the word which has the similar meaning as 'attached' from the passage.
   (d) Which word in the passage denotes a dishonest person?

4. **It was a temptation to keep Tricki on as a permanent guest, but I knew Mrs. Pumphrey was suffering and after a fortnight, felt compelled to phone and tell her that the little dog had recovered and was awaiting collection.**

   (a)Why was it a temptation to keep Tricki on as a permanent guest?
   (b)What was informed to Mrs. Pumphrey on phone?
   (c)Which word in the above extract means 'a period of fifteen days?
   (d) Was Dr. Herriot a greedy doctor?

Assignment No. 2

Q) Answer the following questions in 100 – 120 words:

1. Tricki was a victim of over pampering and over indulgence. Comment.
2. Lencho had a faith in God but lacked faith in humanity. Elaborate with reference to 'A Letter to God'.
3. "Man's goodness is a flame that can be hidden but never extinguished?" Why does Mandela say this?

HINDI

ग्रीष्मावकाश गृहकार्य , कक्षा -दसवीं

1. आव धक परीक्षा -**1** के सम्पूर्ण पाठ्यक्रम का दोहराव करें |

2 . वद्यालय पत्रिका हेतु अपनी लखी हिंदी भाषा में रचनाएँ **(क वता/कहानी/लेख आदि)** अवश्य लेकर

आएँ। ये रचनाएँ आपकी मौ लक होनी चाहिए। टाइप की हुई या हाथ से लखी हो सकती हैं। कसी और

लेखक/ क व की कॉपी-पेस्ट रचनाएँ स्वीकार नहीं।

3. ' मतदान केंद्र का दृश्य ' वषय पर अनुच्छेद ल खए । **(**150 शब्द**)**

        कार्य पत्रिका

प्रश्न 1. कबीर की सा खयाँ जीवन के लए अत्यंत उपयोगी हैं। इनमें जिन जीवन-मूल्यों की झलक मलती

है, उनका उल्लेख कीजिए।

प्रश्न 2. भगवान वष्णु के कन्हीं दस अवतारों के नाम लखें ।

प्रश्न 3. कहानी में जिंदगी से प्राप्त अनुभवों को कताबी ज्ञान से ज्यादा महत्वपूर्ण बताया गया है। अपने माता- पता बड़े भाई-बहिनों या अन्य बुजुर्ग/बड़े सदस्यों से उनके जीवन के बारे में बातचीत कीजिए और पता लगाइए क बेहतर ढंग से जिंदगी जीने के लए क्या काम आया-समझदारी/पुराने अनुभव या कताबी पढ़ाई?

प्रश्न 4. भारत के नक्शे में अंडमान निकोबार द्वीप समूह की पहचान कीजिए और उसकी भौगो लक स्थिति के वषय में जानकारी प्राप्त कीजिए।

प्रश्न 5. 'डायरी का एक पन्ना' पाठ में से पाँच सरल वाक्य, पाँच मश्र वाक्य व पाँच संयुक्त वाक्य छांटकर ल खए।

SUBJECT : MATHEMATICS
CLASS : X

I) One Math Activity is attached in this file. Do that activity on lab manual / Activity copy .

II) Revise PT-1 Syllabus (Ch-1,2&3)

III) Do the following assignments on your fair notebook.

ASSIGNMENT - 1

I) Show that 1/2 and -3/2 are the zeroes of the polynomial $4x^2 + 4x - 3$ and verify relationship between zeroes and coefficients of the polynomial.

II) The coach of a cricket team buys 7 bats and 6 balls for ₹ 3800. Later, she buys 3 bats and 5 balls for ₹ 1750. Find the cost of each bat and each ball.

III) Solve the following pair of linear equations: $32x + 33y = 34$, $33x + 32y = 31$.

IV) If xy=12960 and HCF(x,y)=18, then find LCM(x,y)

V) Find the value of k for which the system of equation $kx + 3y = k - 3$ and $12x + ky = k$ will have no solutions.

VI) Romila went to a stationery shop and purchased 2 pencils and 3 erasers for ₹ 9. Her friend Sonali saw the new variety of pencils and erasers with Romila, and she also bought 4 pencils and 6 erasers of the same kind for ₹18. Represent this situation algebraically and graphically.

VII) Find the zeroes of the quadratic polynomial $\sqrt{3} \ x^2 - 8x + 4\sqrt{3}$

VIII) Solve the following system of equation graphically, $x + 2y = 1$; $x - 2y = -7$ also write the points from the graph where the lines meet the x – axis and y – axis.

IX) Prove that $\sqrt{5} - \sqrt{3}$ is an irrational number.

X) Ravi and Shikha drive around a circular sports field. Ravi takes 16 min to complete one round, while Shikha completes the round in 20 min. If both starts at the same point, at the same time and go in the same directions, then after how much time will they meet at the starting point.

ASSIGNMENT – 2

1) Find the quadratic polynomial whose zeroes are $2 +\sqrt{3}$ and $2 -\sqrt{3}$

2) Two numbers are in the ratio 5: 6. If 8 is subtracted from each of the numbers, the ratio becomes 4 : 5, then find the numbers.

3) If α and β are zeroes of $p(x)=2x^2+4kx+4$, such that $α^2+β^2=12$, find k.

4) If a and b are zeroes of the polynomial $x^2– x – 6$, then find quadratic polynomial whose zeroes are (3a - 2b) and (2a+3b)

5) Find the largest number which divides 1251, 9377 and 15628 leaving remainder 1, 2 and 3 respectively.

6) Find the value of p, q and r if the prime factorization of 468 is $2^p \times 3^q \times r$.

7) Given the linear equation $3x + 4y = 9$. Write another linear equation in these two variables such that the geometrical representation of the pair so formed is:
   (a)intersecting lines (b) coincident lines.

8) 12 students of class 10th took part in a mathematics test. If the number of girls is twice than the number of boys, find the number of boys and the number of girls who took part in the test.   (by substitution method)

9) The sum of a two – digit number and number obtained by reversing the order of digits is 99. If the digits of the number differ by 3, then find the numbers.

10) From a bus stand in Delhi, if we buy 2 tickets to Pritampura and 3 tickets to Dilshad Garden, the total cost is ₹ 46 but if we buy 3 tickets to Pritampura and 5 tickets to Dilshad Garden, the total cost is ₹ 74. Then, find the fares from the bus stand to Pritampura and to Dilshad Garden.

- **Activity 1**

Arithmetic Progression

Objective

To check that the given sequence is an A.P. or not.

Pre-requisite knowledge

Definition of Arithmetic Progression (A.P.)

To perform the activity

Procedure

Take a sequence of positive numbers

A. Let the sequence be 2, 5, 8, 11, 14, 17, ...

Materials required

(i) Square papers (with squares of size 1 unit × 1 unit)

(ii) Coloured glazed papers

(iii) Pair of scissors

(iv) Geometry box

(v) Fevistick/Gum

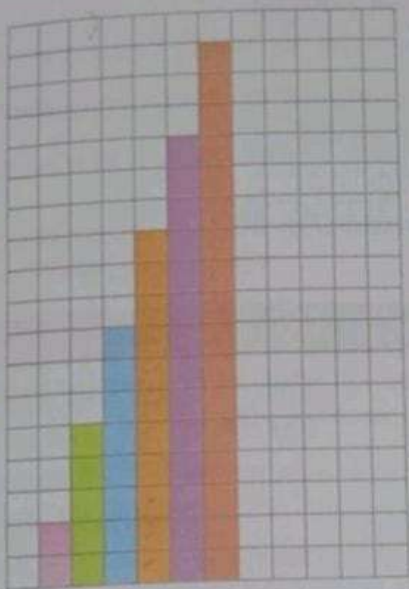1. Cut a rectangular strip from a coloured glazed paper of width 1 unit and length 2 units.

2. Cut rectangular strips from glazed papers (of different colours) of width 1 unit and lengths 5 units, 8 units, 11 units, 14 units, 17 units, ...

3. Paste the coloured strips in order on a squared paper as shown in fig. 2.1.

4. We observe that the coloured strips form a ladder in which the difference between the heights of the adjoining strips is **constant**. (in this case 3 units). Therefore, the given sequence is an A.P.

B. Let the sequence be 2, 3, 6, 10, 12, 17, ...

1. Cut rectangular strips from glazed papers (of different colours) of width 1 unit and lengths 2 units, 3 units, 6 units, 10 units, 12 units, 17 units, ...

2. Paste the coloured strips in order on a squared paper as shown in fig. 2.2.

3. We observe that the coloured strips from a ladder in which the difference between the heights of the adjoining strips is **not constant**.

Therefore, the given sequence is not an A.P.

C. Let the sequence be $a_1, a_2, a_3, a_4, a_5, ...$

1. Cut rectangular strips from glazed papers (of different colours) of width 1 unit and length a_1 units, a_2 units, a_3 units, a_4 units, a_5 units, ...

Figure: 2.1

Figure: 2.2

SCIENCE HOLIDAYS HOMEWORK

(1) Revise the syllabus of PT 1 Exams.

(2) Do NCERT Questions in your science notebook.

(3) Complete your practical file.

Q1: Make a project work on Consumer Rights of Economics chapter 5on

scrap book. **(10marks)**

Q2: Map activity on Major Dams of India. **(5marks)**
(Take an A4 sheet of coloured paper, paste political map of India on
it and locate major dams)

Q3: Write answer of the following questions on assignment sheets**.
(10*2=20)**

    (A) Name the states of India where black soil is found.

    (B) What steps can be taken to control soil erosion in hilly areas?

    (C) Differentiate between waste land and barren land.

    (D) Suggest some methods to conserve resources.

    (E) Prepare a list of stock and reserve,resources that you are familiar with from your
        local area.

    (F) Give some examples where factors other than income are important aspects of
        our lives.

    (G) Define per capita income.

    (H) Define Infant Mortality Rate.

    (I) Why is the issue of sustainability important for development?

    (J) How can we compare different countries or states?

PHYSICAL ACTIVITY TRAINER

Q4: Learn and revise the syllabus completed in class.

Do practical work in practical file of following topics:

1. The methods of discipline inculcation in students.

2. Pros and cons of mass drill.

3. Do questions and answers of page 18, 19 & 20 of Communication
skills.

HOLIDAYHOMEWORK
(IT)
Assignment

Fill in the blanks/Very Short Questions

1. Not stating instructions clearly is an example of_____.

2. If you have a totally different view point from your teammates on the way a training programme is to be planned, you have a ____.

3. Mention any two features of word processors.

4. Name the three buttons present to the right of the Title bar.___

5. How can you select entire document using the keyboard?

6. Name the command used to reverse the last action.

7. Physical exercise in the form of _____, _____to relieve stress as they stabilize mood, improve self-esteem and induce sleep.

8. An _____is a person who establishes a business or a venture that generates some

value to the customer and proves to be profitable for him.

Short Questions

1. What is communication?

2. What is writing?

3. What do you mean by Phrase and write the types of phrases?

4. What is a sentence?

5. Write the types of sentences.

6. Define Part of Speech and explain any two parts of speech.

7. What is a paragraph and how to construct a paragraph?

8. Describe the format of article writing.

9. What are the Barriers to Effective Communication?

10. What do you mean by communication barrier?

11. Define any 2 communication barrier.

12. How to handle barriers to communication?

13. Explain any two 7Cs of Communication.(Imp)

14. What do you mean by Word Processor?

15. Write the application names comes in Apache Open Office Package.

16. Explain the components of Open Office Writer Window.

17. Write Keyboard shortcuts for the following commands:

a) New

b) Open

c) Save

d) Cut

e) Copy

f) Paste

g) Bold

h) Italic
i) Underline

j) Find

k) Replace

l) Go to

m) Undo

n) Redo

o) Spelling &Grammar check

18. What is the difference between Save and Save As options of File menu?

19. Differentiate Delete and Backspace.

20. Define change case.

21. How many origins can have stress causal?

22. Define any two stress casual agents.

23. What is the importance of stress management?

24. Define any three Stress Management Techniques.

25. What are Importance of the Ability to Work Independently?

26. How to Enhancing Ability to Work Independently?

<u>ARTIFICIAL INTELLIGENCE</u>

CLASS 10

Simulating AI Concepts (Hands-on Activity) (20 Marks)

Objective: Get hands-on experience with basic AI concepts through interactive platforms.

1. **Explore a beginner-friendly AI platform** like Google's Teachable Machine (https://teachablemachine.withgoogle.com/) or Tensor Flow Playground (https://playground.tensorflow.org/).
2. **Choose one of the following tasks**:

- o **Image Classification:** Train a simple model to recognize different objects in images (e.g., fruits, animals).
- o **Sound Classification:** Train a model to identify different sounds (e.g., musical instruments, animal noises).
3. **Document your experience**:
   - o Briefly explain the chosen task and its objectives.
   - o Describe the steps involved in training your model using the platform.
   - o Include screenshots or visuals of your training process.
   - o Evaluate the performance of your model. How accurate was it in classifying the data?

CLASS X-MARKETING & SALES

Prepare Power Point Presentation on the following topics:

1.	a) Barrier to effective communication.
	b) How to apply measures to overcome barriers in communication?
2.	Four tools of marketing mix.

- • **Revise UT-1 Syllabus.**

- • **Pick up 5 products of your choice and identify the segment for that product.**

- • **Choose 5 products and 5 services of your choice and identify which strategy of targeting would you choose for that products and services.**

MULTIMEDIA

CLASS X

Texturing Exploration in Blender (Unit 1)

Goals:

- • Practice identifying real-world surfaces and textures.
- • Explore basic texturing techniques in Blender.
- • Experiment with light and shadow on textured objects**.**

Part 1: Texture Hunt

Find it! Go on a texture hunt around your house or neighborhood. Find 5 objects with different textures. These could be anything – a smooth countertop, a rough brick wall, a wrinkled piece of clothing, a shiny metal spoon, etc.

Describe it! For each object, write down:

1) The object's name
2) What it's made of (material)
3) How the surface feels (smooth, rough, bumpy, etc.)
4) What kind of details or patterns the texture has (stripes, wood grain, wrinkles, etc.)

Bonus! Draw a quick sketch or take a picture of each object to document your findings