पीएम श्री केन्द्रीय विद्यालय क्रमांक 1 भारतीय प्रौद्योगिकी संस्थान खड़गपुर

कक्षा 10वीं हिंदी **ग्रीष्मकालीन गृह कार्य** **40 दिनों का**

सामान्य निर्देश:	विशेष निर्देश	मूल्यांकन आधार
साफ-सुथरी लिखावट रखें अलग कॉपी में कार्य करें रचनात्मकता का उपयोग करें	चित्र, चार्ट और रंगों का उपयोग करें प्रत्येक कार्य में तिथि अवश्य लिखें कार्य को क्रमबद्ध एवं आकर्षक बनाएं	प्रस्तुति (Presentation) रचनात्मकता (Creativity) भाषा शुद्धता (Language Accuracy) समय पर पूर्णता (Completion) प्रस्तुति (Presentation)

पहले 8 दिन – पठन एवं समझ (Reading & Understanding)

1. प्रतिदिन एक पाठ पढ़ें (क्षितिज/कृतिका से)
2. कठिन शब्दों की सूची बनाएं (10 शब्द रोज़)
3. प्रत्येक पाठ का सार (100–120 शब्दों में) लिखें
4. पाठ से जुड़े 5 प्रश्न स्वयं तैयार करें
5. मुख्य भाव/संदेश लिखें

दिन 9–16 – लेखन कौशल (Writing Skills)

6. प्रत्येक पाठ पर लघु एवं दीर्घ उत्तरीय प्रश्न लिखें
7. किसी एक पाठ पर अनुच्छेद (150–200 शब्द)
8. "मेरी प्रिय कहानी/कविता" पर लेख लिखें
9. खोयी हुई बैंक पासबुक पुनः प्राप्त करने के लिए बैंक प्रबंधक् को ई-पत्र लिखिए
10. औपचारिक पत्र लेखन (जैसे – प्रधानाचार्य को आवेदन)

दिन 17–24 – रचनात्मक गतिविधियाँ (Creative Work)

11. किसी पाठ का चित्र बनाकर उसका वर्णन करें
12. कविता पाठ (वीडियो या लिखित रूप में)
13. कहानी को कॉमिक/स्टोरीबोर्ड में प्रस्तुत करें
14. पोस्टर बनाएं (जैसे – "पर्यावरण संरक्षण", "जल बचाओ")
15. अपने शब्दों में नई कहानी/कविता लिखें

दिन 25–32 – व्याकरण एवं भाषा (Grammar & Language)

16. पद परिचय किसे कहते हैं? विकारी और अविकारी शब्दों को उदाहरण सहित परिभाषित कीजिए
17. वाक्य भेदों को उदाहरण सहित परिभाषित कीजिए

18. अलंकार को उदाहरण सहित समझाइए
19. काल, वाच्य, वचन पर अभ्यास
20. वाक्य शुद्धि एवं अशुद्धि सुधार (25 उदाहरण)

📅 दिन 33–40 – परियोजना कार्य (Project Work)

21. "हिंदी साहित्य के प्रमुख लेखक" पर प्रोजेक्ट
22. किसी एक लेखक का जीवन परिचय (पाठ्यपुस्तक से)
23. "मेरी ग्रीष्मकालीन छुट्टियाँ" पर डायरी (5 दिन)
24. "डिजिटल युग में हिंदी भाषा" पर लेख (200–250 शब्द)
25. पूरे कार्य को सुंदर फाइल/प्रोजेक्ट में संकलित करें

विषयाध्यापक: मनीष शर्मा
प्रशिक्षित स्नातक शिक्षक 'हिन्दी'

HOLIDAY HOMEWORK

SUMMER VACATION (03.05.2026 to 20.06.2026)

CLASS – X

SOCIAL SCIENCE

1. Map work (Label and locate states and union territories with their capitals on India Map and paste in your notebook)

2. Do Map practice of History and Geography.

3. “Money in your pocket cannot buy all the goods and services that you may need to live well.” Justify the statement with example.

4. What are the different forms of power sharing in modern democracies? Give an example of each of these.

5. Write the Ethnic composition of Belgium and Sri Lanka.

6. What criteria does UNDP compare to measure the human development index? Explain.

7. Briefly trace the process of German and Italy unification.

8. What steps did the French revolutionaries take to create a sense of collective identity among the French people? Write any five.

9. Prepare a project in a project file on the topic “Consumer Rights”. (15-20 A4 size papers)

10. Learn and revise all the completed chapters. (Economics, History and Civics)

11. Briefly trace the geographical and ethnic variations of the Balkans region. Why did this region become politically very explosive?

12. What was the main aim of the Treaty of Vienna 1815? What were the main provisions of the Treaty of Vienna held in 1815?

PM SHRI KENDRIYA VIDYALAYA IIT KHARAGPUR

SUMMER VACATION HOLIDAY HOMEWORK

Class X – English

Section A: Short & Long Answer Questions

1. **Short Answer Questions (30–40 words each)**

- Why did Lencho write a letter to God?
- What does "a world without fear" mean in Mandela's speech?
- How did Anne feel about her family?
- What qualities of a pilot are highlighted in *His First Flight*?

2. **Long Answer Questions (100–120 words each)**

- Describe Lencho's faith and its outcome. Do you think his faith was justified?
- Explain how Nelson Mandela's speech is relevant even today.
- "Fear is a natural emotion." Explain with reference to *His First Flight*.

Section B: Competency / Case-Based Questions

Case Study 1:

A farmer loses his entire crop due to a natural disaster and writes to the government asking for help.

1. Compare this situation with Lencho's story.
2. Do you think people today rely on faith or systems? Justify your answer.

Case Study 2:

Read the chapter THE DIARY OF ANNE FRANK and solve the following questions -

A teenager feels misunderstood by family and prefers writing their thoughts in a diary.

1. How is this similar to Anne Frank?
2. Suggest two healthy ways to express emotions.

Section C: Project / Activity-Based Tasks

Character Sketch Project (Any One)

Lencho / Nelson Mandela / Anne Frank / The young seagull

Include:

- Traits
- Supporting incidents
- Your personal opinion

Timeline Activity

Prepare a timeline of important events from:

- Nelson Mandela's life OR
- Anne Frank's life

Section D: Creative Assignments

Diary Writing:

Write a diary entry as Anne Frank describing one day in the hiding.

Letter Writing:

Write a reply to Lencho as a postmaster explaining the situation honestly.

Speech Writing:

Prepare a short speech on "Freedom and Responsibility" inspired by Mandela.

Poster Making:

Topic: "Courage Over Fear" (based on His First Flight)

Section E:

Real-Life Application

1.Write about a real-life situation where you showed courage or faith. (80–100 words)

Interview an elder (parent/grandparent) and ask:

What does freedom mean to them?

Write a short report on their response.

PM SHRI KENDRIYA VIDYALAYA NO.1 IIT KHARAGPUR (2026-27)
CLASS-X-A, B, C & D
SUBJECT- SCIENCE
SUMMER VACATION HOLIDAY HOMEWORK

ANSWER THE FOLLOWING QUESTIONS (TO BE DONE IN SCIENCE NOTEBOOK)

1. The reaction between magnesium and oxygen produces magnesium oxide. Energy is released as heat and light during the reaction.

   Complete and balance the symbol equation to show this reaction. Include the state symbols.

   $Mg + O_2 \rightarrow$

2. The reaction between magnesium and oxygen can be described in different ways.
   Explain why the reaction can be described as:
   i. A combination reaction.
   ii. An oxidation reaction.
   iii. An exothermic reaction.

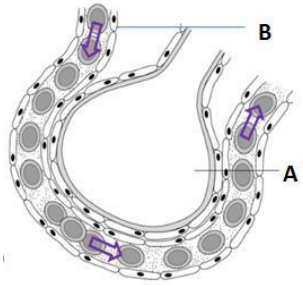
3. Mala adds lead and silver to two different test tubes containing an equal amount of copper sulphate solution. Mala observed that the colour of the solution in the test tube with lead has changed. Explain the change in the colour of the solution.
4. Decomposition is a type of chemical reaction.
   (a) Using water as an example, state and explain what happens in electrolytic decomposition.
   (b) Suggest why pure water does not undergo electrolytic decomposition.
5. Balance the following equations.
   a) ___$NaNO_3$ + ____PbO --> _____$Pb(NO_3)_2$ + ____Na_2O
   b) ____$C_2H_4O_2$ + ____O_2 --> ____CO_2 + ____H_2O
   c) ____Fe + ____$AgNO_3$ --> _____$Fe(NO_3)_2$ + ____Ag
   d) ____S_8 + ____O_2 --> SO_2
   e) _____$KClO_3$ --> _____KCl + O_2
6. Sunil and Sujata had prepared a table showing the features of artery and veins. Help them complete the table.

	BLOOD VESSELS	ARTERY	VEIN
i	Vessel walls (Thick/ thin)		
ii	Valves (present/Absent)		
iii	Blood vessels maintain/can't maintain shape when blood is not flowing		
iv	Route of blood (heart to body parts/ body parts to heart)		
v	Blood pressure on blood vessel (low/high)		

7. Arunima Sinha, a renowned mountaineer shared her experience of climbing the Mount Everest, while reaching the peak, her local guide informed about her critically low oxygen supply which could lead to death. Why is it impossible for mountaineers to survive at higher altitude without artificial oxygen supply?

8. a) Structure A is found in the lungs. Identify structure A and cite its importance in respiration.

b) Structure B refers to a blood vessels that helps in gaseous exchange. Identify structure B.



9. Given below is a table representing the characteristics of two fluids involved in the transportation of substances in the human body.

Fluid A	**Fluid B**
colourless	coloured
contains less oxygen	contains more oxygen
contains less protein	contains more protein

(a) Identify fluid A and fluid B.

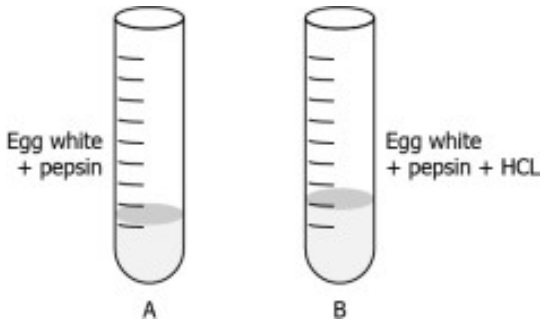
(b) With the help of a flow chart, describe the movement of fluid A from the intercellular spaces to the main circulatory system.

c) What role does fluid A play in the digestion of food in humans?

10. Take a bottle. Put the sprouted moong in it. Close the bottle with the cap tightly and keep it overnight. The next day,open the lid and bring the burning stick to its rim. Write your observations.

11. Sheena notices that her silver jewellery turned dull and had a grey-black film over it after wearing for a few months. What results in the change in colour of the silver metal? Name the grey- black substance formed over the silver jewellery.

12. A student sets up an experiment to study the role of enzymes in digestion of food.



In which test tube, the digestion of protein will occur and Why?

13. What will happen if the body wastes are not expelled periodically.

14. How does largest trees like Eucalyptus that are around 180 metres conduct water and minerals?

15. Name the substances other than water, that are reabsorbed during urine formation. What are the two parameters that decide the amount of water that is reabsorbed in the kidney?

16. There is a red alert in Kannur, Kerela due to heavy rainfall. Rita collected this rainwater in a

beaker and put two electrodes. She observed bubbles in the electrode.

a) Name the gases released on each electrode.

b) What will happen if you bring a burning candle to each electrode?

(c)What will happen if rainwater is replaced by distilled water?

17. Reena in her lunch have food items made up of rice, pulses, milk, ghee. Her digestive system breaks down different nutrients into their simpler form.

(a)Write the secretions of gastric glands.

(b)In which medium pepsin work and on which nutrient?

(c) In which medium pancreatic enzymes work and write the name of enzymes.

18. Paris olympics are going on including many games where one such game is athletics. An athlete after running on a long track started breathing faster.

(a) What observation do you see in the chest, ribs and diaphragm when air is inhaled and exhaled respectively?

(b) What prevents air passage from collapsing in our throat?

(c) The smallest unit of lungs is —----------

19.The heart is a muscular organ which is as big as our fist. Because both oxygen and carbon dioxide have to be transported by the blood, the heart has different chambers to prevent the oxygen-rich blood from mixing with the blood containing carbon dioxide. The carbon dioxide-rich blood has to reach the lungs for the carbon dioxide to be removed, and the oxygenated blood from the lungs has to be brought back to the heart. This oxygen-rich blood is then pumped to the rest of the body.

(a) How many chambers are present in the heart of mammals?

(b) Who carries deoxygenated blood from body to heart?

(c) What do you mean by the term double circulation? Draw the sketch for the double circulation.

20. Arthropods and molluscs have a copper-containing respiratory pigment called hemocyanin while human beings have iron-containing hemoglobin.

(a) How do respiratory pigments help in the process of respiration?

(b) Why do multicellular animals need a respiratory pigments?

21. SUBJECT ENRICHMENT ACTIVITY (TO BE DONE IN FILE)

ACTIVITY 1- Collect blood pressure information of your family. Write a report about the health problems faced by those with high blood pressure and low pressure.

ACTIVITY-2- Potato Chips- Sip and Savour

Materials required -Fresh potato chips, 2 glass jars with lid, Aluminium foil.

Procedure-

1. Wrap the glass jar with aluminium foil. Tape the foil in place so that no light can enter the container.
2. Place fresh potato chips in the foil-wrapped jar and in a similar clear jar without foil around it.
3. Taste the potato chips and rate their flavour on a 5-point scale, 1 being extremely dislike the flavour and 5 being extremely like the flavour. (Enter your data in a table.)
4. Place the two jars on a window sill where they will be exposed to sunlight.
5. Taste potato chips from each jar at intervals of 1-2 days for 1-2 weeks and record the taste of potatoes in both the jars.
6. Make a graph of your data, noting the flavor of the potato chips stored these two ways versus storage time. The y-axis should be the flavor score and the x-axis the time in days.

Answer the following questions

1. What effect does the aluminium foil have on the taste of potatoes after 2 weeks?
2. Is there anything
3. else that will affect the taste of potatoes over 2 weeks apart from the sunlight?

ACTIVITY 3- Describe the design of the dialysis machine which act as artificial blood filtration units when the human kidney stops functioning properly.

22.Write an experiment to- (To be done in practical notebook)

1.Performing and observing the following reactions and classifying them into:

A. Combination reaction

B. Decomposition reaction

C. Displacement reaction

D. Double displacement reaction

(i) Action of water on quicklime

(ii) Action of heat on ferrous sulphate crystals

(iii) Iron nails kept in copper sulphate solution

(iv) Reaction between sodium sulphate and barium chloride solutions

2.Preparing a temporary mount of a leaf peel to show stomata.

3.Experimentally show that carbon dioxide is given out during respiration.

23. Art-integrated Project on

1.**Folk Medicine and Medicinal Plants of West Bengal-Medicinal plants and their uses**

Art Element: Herbarium sheet, or hand-drawn chart.

Compare traditional medicine with modern medicine.

OR

2.Sundarbans: Mangrove Ecosystem and Biodiversity

Art Element: 3D model or mural of the mangrove forest and species (like the Bengal tiger, mudskipper)

Idea: Highlight environmental importance and climate challenges.

Art Integrated Project should be prepared in the given order –

I. Cover page showing project title, schools name, students name, class and section and academic session (year).

II. List of contents with page number and Index.

III. Acknowledgements: Acknowledging institution, offices and libraries visited and people who have helped.

a. Project Overview: Purpose, aim, methodology and experience while doing the project.

b. Contents with relevant headings.

c. Diagrams, charts and graphs.

d. Summary and conclusions based on the study and findings.

e. References - It should have the title, pages referred, author, publisher, year of publication and if a website, the name of the website/link.

f. Teachers evaluation sheet to be attached at the end of the project

file. PROJECT EVALUATION PROFORMA

The Proforma should be attached on the last page of the project and must include the following -

- Student's Name
- Roll. No
- Class and Section
- School name and address
- Teacher Assessment –

1. Content accuracy and originality
2. Presentation and creativity
3. Process of project competition
4. Overall remarks
5. Teacher signature
6. Students signature
7. Date of submission

पी एम श्री केन्द्रीय विद्यालय क्रमाङ्क- **1,**भा. प्रौ. सं., खडगपुर

ग्रीष्मावकाशगृहकार्यम् **– 2026**

कक्षा – दशमी विषयः – संस्कृतम्

(Make **separate FILE** for Holiday homework .)

1. विसर्गसन्धि की परिभाषा और प्रकार लिख कर प्रथम **,** द्वितीय और तृतीय पाठ से उदाहरण चुनकर लिखो ।(प्रत्येक भेद के पाँच पाँच उदाहरण)।

2. संस्कृत के पाँच कविओं के परिचय और उनकी रचनाओं के बारे में लिखो ।

3. शब्दरूप लिखो-

क) कोई भी तीन अकारान्त पुंल्लिङ्ग शब्दरूप – नर, देव, शुक, जनक, जन

ख) कोई भी तीन आकारान्त स्त्रीलिङ्ग शब्दरूप – सुता, शाखा, वाटिका, कक्षा, क्षमा

ग) कोई भी तीन ईकारान्त स्त्रीलिङ्ग शब्दरूप – वाणी, देवी, पुत्री, भारती, भगिनी

4. संस्कृत में छात्र प्रतिज्ञा

5. धातुरूप (पाँच लकारों में)- अस्, कृ, पा, भू , स्था, पा, गम्, चल्, दा

6. 1 से 100 तक संस्कृत में संख्यावाचक शब्द लिखो।

7. किसी एक विषय पर संस्कृत में एक अनुच्छेद लिखो।

समयस्य सदुपयोगः , अनुशासनस्य महत्त्वम्, जलसुरक्षा- अभियानम्

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SUMMER HOLIDAY HOMEWORK: ART INTEGRATED PROJECT

Academic Session: 2026-27 | Classes: IX & X

Theme: Dharohar – Exploring India's Visual Heritage

In accordance with the Art Education Split-up Syllabus and NCERT Art Integrated Learning (AIL) guidelines, students are to complete a multidisciplinary project that bridges the gap between scholastic subjects and traditional Indian art forms.

Project Options (Choose ONE)

Option A: Narrative History through Scroll Art (Patachitra/Phad)

Identify a major historical event (e.g., The Indian Freedom Struggle or French Revolution). Depict this narrative in the form of a 'Pata' (Scroll) using Bengal Patachitra or Phad style. Divide the sheet into panels to show the chronological sequence of events.

Option B: Physical Landscapes through Warli/Mandala

Represent the physical features of India (Mountains, Coastal regions, or Plateaus) using the geometric precision of Mandala art or the tribal storytelling style of Warli art. Focus on the harmony between nature and human settlements.

Technical Specifications

Medium: Handmade paper, A3 Ivory sheet, or a Cardboard base.

Materials: Acrylic colors, poster colors, or natural pigments. Fine-liner pens for detailing.

Layout: Border designs must be inspired by the chosen traditional art form.

Essential Notes for Students

Neutrality & Ethics: As this is a school project, ensure your content is educational and respectful. Avoid any political propaganda, controversial caricatures, or sensitive political commentary.

Originality: The work must be hand-painted. Avoid using digital prints or stickers.

Documentation: Maintain a brief report (150 words) explaining the origin of the art form and why it was chosen to represent the specific subject topic.

Signature: Digitally or manually sign your work in the bottom right corner with your name and date.

Evaluation Criteria

Creativity and Originality (5 Marks)

Integration with Subject (5 Marks)

Technique and Detailing (5 Marks)

Timely Submission (5 Marks)

PRACTICE WORKSHEET SESSION:-2026-27

SECTION--- A (REAL NUMBERS)

1. Show that 6n can not end with digit 0 for any natural number ‘n

2. In a teachers’ workshop, the number of teachers teaching French, Hindi and English are 48, 80 and 144 respectively. Find the minimum number of rooms required if in each room the same number of teachers are seated and all of them are of the same subject.

3. The HCF of two natural numbers is 3 and their LCM is 60. The difference of two numbers is 24. Find the numbers.

4. Bhargav has 455 erasers and 210 pencils that he wants to distribute into several gift groups. He intends for each group to have the exact same combination of erasers and pencils, leaving no items leftover. Calculate the greatest number of groups Bhargav can create, and explain the mathematical principle used to find this number.

5. prove root /5 is irrational.

6. **Ravish runs a book shop at school of Math, Gurgaon. He received 480 chemistry books, 192 physics books and 672 Mathematics books of class XI. He wishes to average these books in minimum numbers of stacks such that each stack consists of the books on only one subject and the number of books in each stack is the same.**



(a) Find the number of books in each stack.
(b) Find the Number of stacks of Mathematics books are
(c) Find the Minimum number of stacks of all the books.
(d) Find the Difference in number of stacks of Mathematics books and sum of stacks of Physics and Chemistry books is

7. . A family room is an informal, all purpose room is a house. The family room is designed to be a place where family and guests gather for group recreation like talking, reading, watching TV and other family activities. The length, breadth and height of a room are 8 m 25 cm, 6 m 75 cm and 4 m 50 cm



i) Determine the longest rod which can measure the three dimensions of the room exactly.
(ii) What is LCM of the given three measurements?
(iii) If the HCF (825 and 675) = 75, then find LCM (825 and 675).

8.Explain why $2 \times 3 \times 5 + 5$ and $5 \times 7 \times 11 + 7 \times 5$ are composite numbers.

9.4 Bells toll together at 9.00 am. They toll after 7, 8, 11 and 12 seconds respectively. How many times will they toll together again in the next 3 hours.

10.. Given that $\sqrt{3}$ is irrational, prove that $5 + 2\sqrt{3}$ is irrational.

POLYNOMIALS (SECTION—B) NOTE:- ? = SQUARE(2)

1. **The cost of 2 kg of apples and 1kg of grapes on a day was found to be Rs.160. After | 2 a month, the cost of 4 kg of apples and 2 kg of grapes is Rs.300. Represent the situation algebraically.**

2. **Find the zeroes of the quadratic polynomial 4x? - 64, and verify the relationship between the zeroes and the coefficients.**

3. **Find a quadratic polynomial each with the given numbers as the sum and product of its zeros.**

I) 1,1 **ii) o, /5**

4. **. If the product of the zeroes of the polynomial ax ? – 6x – 6 is 4, then find the value of a. Also find the sum of zeroes of the polynomial.**

5. **Case Study-1 : Lusitania Bridge Quadratic polynomial can be used to model the shape of many architectural structures in the world. The Lusitania Bridge is a bridge in Merida, Spain. The bridge was built over the Guadiana River in 1991 by a Spanish consortium to take the road traffic from the Romano bridge. The architect was Santiago Calatrava. The bridge takes its name from the fact that Emerita Augusta (present day Merida) was the former capital of Lusitania, an ancient Roman province.**

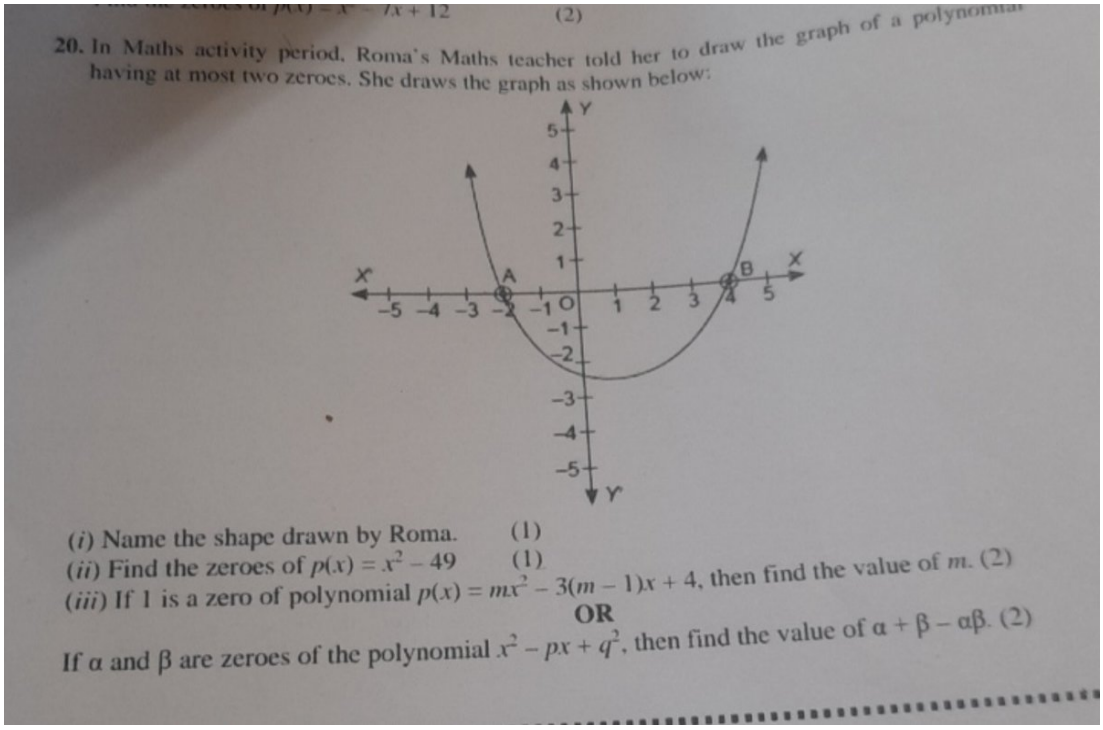
QUESTIONS ON THE NEXT PAGE -----→



Based on the above information, answer the following questions.
(i) If the Arch is represented by 10x2 – x – 3, then find its zeroes.
(2) (ii) Find the quadratic polynomial whose sum of zeroes is 0 and product of zeroes is 1.

6. **. Find the value of k such that the polynomial x ? – (k + 6)x + 2(2k – 1) has sum of its zeroes equal to half of their product.**

7. **In Maths activity period, Roma's Maths teacher told her to draw the graph of a polynomial having at most two zeroes. She draws the graph as shown below:**



(2)

20. In Maths activity period, Roma's Maths teacher told her to draw the graph of a polynomial having at most two zeroes. She draws the graph as shown below:

(*i*) Name the shape drawn by Roma. (1)

(*ii*) Find the zeroes of $p(x) = x^2 - 49$ (1)

(*iii*) If 1 is a zero of polynomial $p(x) = mx^2 - 3(m-1)x + 4$, then find the value of m. (2)

OR

If α and β are zeroes of the polynomial $x^2 - px + q^2$, then find the value of $\alpha + \beta - \alpha\beta$. (2)

(i) Name the shape drawn by Roma.

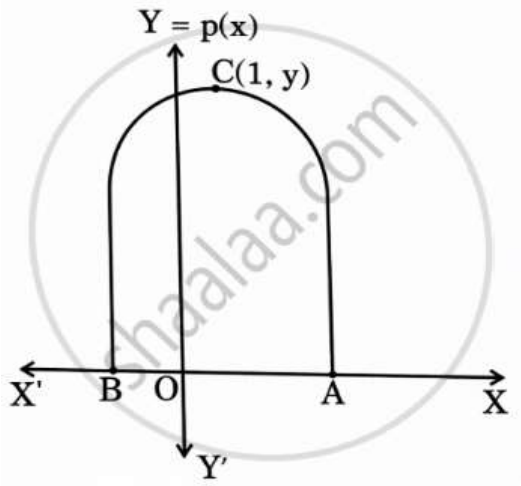
(ii) Find the zeroes of p(x) = x 2 – 49

(iii) If 1 is a zero of polynomial p(x) = mx2 – 3(m – 1)x + 4, then find the value of m.

OR

If α and β are zeroes of the polynomial x 2 – px + q 2 , then find the value of α + β – αβ

8. During a theatre drama, a backdrop of building arches was used. The shape of the curve shown below can be represented by the polynomial $p(x) = -x^2 + 2x + 8$, where x is the length (in feet) on stage level.





Based on the figure given above, answer the following questions:
(i) Determine the height of the arch.
(ii) (a) Find zeroes of the polynomial p(x). Which points on the graph represent the zeroes?
OR
(ii) (b) Find the span of the arch on the stage floor.

(ii) Write the coordinates of the point of intersection of the above curve with the y-axis.

9.Find the zeroes of p(x) = 4x 2 + 24x + 36 quadratic polynomials and verify the relationship between the zeroes and their coefficients.

10. If α, β are zeroes of polynomial p(x) = 5x 2 + 5x + 1 then find the value of (i) α 2 + β 2 (ii) α –1 + β –1 (iii) α 3 + β 3

SECTION –C (LINEAR EQ. IN 2 VARIBLES)

1. **Solve for x and y: 2x + 3y = 7; 4x + 3y = 11.**

2.Find the values of a and b for which the following pair of linear equations has infinitely many solutions

3.In the below Figure, ABCD is a rectangle. Find the values of x and y.

2. The sum of the digits of a two digit number is 9. The number obtained by reversing the order of digits of the given number exceeds the given number by 27. Find the given number. Ans: Let the tens digit be x and unit place digit be y.

4) Solve the following system of equations graphically for x and y: 3x + 2y = 12; 5x – 2y = 4. Find the co-ordinates of the points where the lines meet the y-axis

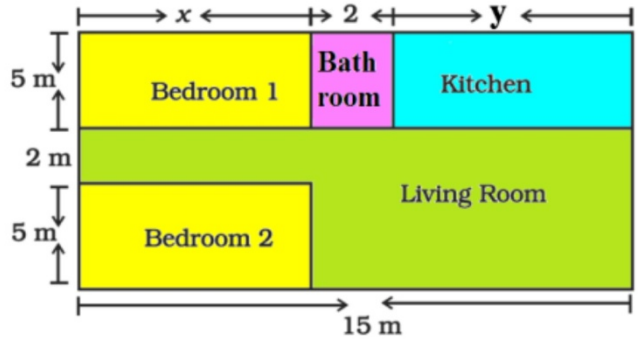
5. A test consists of 'True' or 'False' questions. One mark is awarded for every correct answer while 1 4 mark is deducted for every wrong answer. A student knew answers to some of the questions. Rest of the questions he attempted by guessing. He answered 120 questions and got 90 marks.

Type of Question	Marks given for correct answer	Marks deducted for wrong answer
TRUE/FALSE	1	0.25

(a) If answer to all questions he attempted by guessing were wrong, then how many questions did he answer correctly?
(b) How many questions did he guess?

(c) If answer to all questions he attempted by guessing were wrong and answered 80 correctly, then how many marks he got?
(d) If answer to all questions he attempted by guessing were wrong, then how many questions answered correctly to score 95 marks?

6.Amit is planning to buy a house and the layout is given below. The design and the measurement has been made such that areas of two bedrooms and kitchen together is 95 sq.m.



Based on the above information, answer the following questions:
(a) Form the pair of linear equations in two variables from this situation.
(b) Find the length of the outer boundary of the layout.
(c) Find the area of each bedroom and kitchen in the layout.
(d) Find the area of living room in the layout.

7.. The sum of the digits of a two digit number is 9. The number obtained by reversing the order of digits of the given number exceeds the given number by 27. Find the given number.

8. **. A book store shopkeeper gives books on rent for reading. He has variety of books in his store related to fiction, stories and quizzes etc. He takes a fixed charge for the first two days and an additional**

charge for subsequent days. Amruta paid ` 22 for a book and kept for 6 days; while Radhika paid `16 for keeping the book for 4 days.



Assume that the fixed charge be ` x and additional charge (per day) be ` y.
(a) Represent the situation of amount paid by Radhika and Amruta algebraically.
(b) What are the fixed charges for a book and the additional charges for each subsequent day for a book?
(c) What is the total amount paid by both, if both of them have kept the book for 2 more days?

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HOLIDAY HOMEWORK-2026-27

CLASS: X: SOCIAL SCIENCE

Students are required to complete the following tasks during the summer vacation. The work should be neat, well-organized, and submitted on time.Submit the homework on the first working day after vacation.

1. Map Work

Prepare a **Map File** as per the Class X syllabus:

- Use an outline political map of India.
- Practice and mark important locations from:
    - History (Nationalism in India)
    - Geography (Resources, Agriculture, Industries, etc.)
- Maintain proper labeling and index.

2. Interdisciplinary Project (thread file)

Prepare an **Interdisciplinary Project** (as per CBSE guidelines):

- Topic should connect Social Science with other subjects (Science/Maths/English, etc.).
- Include:
    - Introduction
    - Objectives
    - Content with pictures/diagrams
    - Conclusion
- The project should be handwritten and creative.

3. Question Practice (In Copy)

From each of the following chapters, prepare:

- **5 MCQs**
- **2 Short Answer Questions & answer (SA)**
- **1 Long Answer Question & answer(LA)**

Chapters:

1. Nationalism in India (history)
2. Water Resources (geography)
3. Power Sharing (civics)
4. Federalism (civics)
5. Sectors of Indian Economy (economics)

4. Presentation Guidelines

- Maintain **neat handwriting**.
- Use **headings and subheadings** properly.
- Highlight important points.
- Submit work in a **well-maintained file & notebook**.

5. Submission Details

- All work to be **complete and properly labeled**.

MAP WORK

Subject	Name of the Chapter	List of areas to be located/ labeled/ identified on the map
History	Nationalism in India	**I. Congress sessions:** • 1920 Calcutta • 1920 Nagpur • 1927 Madras session **II. 3 Satyagraha movements:** • Kheda • Champaran • Ahmedabad mill workers **III. Jallianwala Bagh** **IV. Dandi March**
Geography	Resources and Development	Identify Major Soil Types
	Water Resources	**Locating and Labeling:** • Salal • Bhakra Nangal • Tehri • Rana Pratap Sagar ❑ Sardar Sarovar ❑ Hirakund ❑ Nagarjun Sagar ❑ Tungabhadra
	Agriculture	**Identify:** • Major areas of Rice and Wheat • Largest/Major producer states of Sugarcane, Tea, Coffee, • Rubber, Cotton and Jute
	Minerals and Energy Resources	**Identify:** **Iron Ore Mines** Mayurbhanj Durg Bailadila Bellary Kudremukh **Coal Mines** Raniganj Bokaro Talcher Neyveli **Oil Fields** Digboi Naharkatia Mumbai High Bassien Kalol Ankaleshwar

		Locate and label: Power Plants **Thermal** • Namrup • Singrauli • Ramagundam **Nuclear** • Narora • Kakrapara • Tarapur • Kalpakkam
	Manufacturing Industries	• Manufacturing Industries (Locating and labeling only) • Cotton textile Industries: a. Mumbai, b. Indore, c. Surat, d. Kanpur, e. Coimbatore • Iron and Steel Plants: a. Durgapur, b. Bokaro, c. Jamshedpur, d. Bhilai, e. Vijayanagar, f. Salem • Software technology Parks: a. Noida, b. Gandhi- nagar, c. Mumbai, d. Pune, e. Hyderabad, f. Bengaluru, g. Chennai,h. Thiruvananthapuram
	Lifelines of National Economy	Locating and Labeling **a. Major Sea Ports** • Kandla • Mumbai • Marmagao • New Mangalore • Kochi • Tuticorin • Chennai • Visakhapatnam • Paradip • Haldia **b. International Airports** • Amritsar (Raja Sansi-Sri Guru Ram Das ji) • Delhi (Indira Gandhi) • Mumbai (Chhatrapati Shivaji) • Chennai (Meenambakkam) • Kolkata (Netaji Subhash Chandra Bose) • Hyderabad (Rajiv Gandhi)

Attempt any one the given projects:-

Class X: 10-day Suggestive plan for Interdisciplinary Project

Day 1: Introduction to the Interdisciplinary Project and Setting the Context:

Brief overview of the project and its objectives to be given by the teachers.

History teacher to Introduce the historical context of World War II and its aftermath through inquiry methods.

Make the students to Group discuss the impact of World War II on the global economy. Teacher to refer annexure III for rubrics)

Day 2: The Great Depression:
Students to watch a video from the link, https://www.youtube.com/watch?v=62DxELjuRec and https://www.youtube.com/watch?v=gqx2E5qIV9s and discuss the causes and consequences of the Great Depression and the role of mass production and consumption in the Great Depression. Present a group PPT /report on consequences of the Great Depression on the global economy.

Day 3: India and the Great Depression:
Students to collect material related to India's economic condition during the Great Depression and relate it to the present economic condition of India and US. Students may collect information through a visit to the library.

As a group activity they need to present a collage of their findings. (Refer Annexure V for Rubrics)

Day 4: Rebuilding the World Economy and Interlinking Production across countries

- Teachers to use Jigsaw method to make the students to sit in groups and to give each group a part of the handout with information about process taken to rebuild economy and how the production across countries got interlinked. Make the groups to compile the information by moving from group to group.
- Make them discuss the post-war recovery efforts and their impact on the global economy
- Study the role of the Bretton Woods Institutions in rebuilding the world economy and present their learnings through Art Integrated Project. Refer Annexure V for rubrics.

Day 5: The Early Post-War Years: The role of roadways, railways, waterways and airways in building the national economy

- The teacher distributes the Handout 1 given below to the groups and asks them to find answers to the questions posed at the end of Hand out and present it in groups using Café conversations mode. Refer Annexure III for rubrics.
- Study the challenges faced by the world in the early post-war years

Day 6: Post war settlement and Bretton Woods institutions

- Make the students read the material available online/in library and debate the impact of Bretton Woods institutions in the post war economy. Refer Annexure V for Rubrics.

Day 7: Decolonization and Independence - The Role of World Trade Organization:

- The students will read the handout 2 given below and present a role play of the support rendered by the World Trade Organisation in building new nations. Refer Annexure V for rubrics
- Introduction to the World Trade Organization
- Study the role of the WTO in promoting fair trade practices
- Discuss the efforts made towards decolonization and independence of nations

Day 8: End of Bretton Woods and the Beginning of Globalisation:

- The students will read material given in the link https://www.imf.org/external/about/histend.htm#:~:text=End%20of%20Bretton%20Woods%20system,-The%20system%20dissolved&text=In%20August%201971%2C%20U.S.%20President,the%20breakdown%20of%20the%20system.
- Organise an interview with a financial expert/economist/ lecturer/professor. Based on the information they gathered, the students can submit a report on the findings.
- Discuss the reasons for the end of the Bretton Woods system

Day 9: Impact of Globalization in India and role of waterways and airways https://www.jagranjosh.com/general-knowledge/new-economic-policy-of-1991-objectives-features-and-impacts-1448348633-1

- The students will read the material given in the above link and design a report on what would have happened to India if this stand wasn't taken and present it as a radio talk show. They will link the role of waterways and airways in the achievement of India in globalisation.
- Study the impact of globalisation on the Indian economy
- Discuss the challenges faced by India in the process of globalisation

Day 10. Final presentation

Conclude the interdisciplinary project and summarize the key takeaways.