DAV POLICE PUBLIC SCHOOL, JHAJJAR

HOLIDAY HOMEWORK

Class – XI (HUMANITIES)

ENGLISH

Revise all the topics covered up to now.

Write your responses to the questions listed below in your notebook, ensuring that your work is tidy.

- 1. Describe the transformation in the relationship between the author and his grandmother as he grows up.
- 2. What does the author's grandmother's daily routine reveal about her character and values?
- 3. Why is the grandmother's death described as almost ceremonial?
- 4. Discuss the symbolic significance of the sparrows in the story.
- 5. Compare the narrator's feelings at the beginning and the end of the story. How does his perception change?
- 6. What does the poet mean by "the sea holiday was her past, mine is her laughter"?
- 7. How does the photograph evoke both nostalgia and loss in the poet's mind?
- 8. Explain the significance of the cardboard in the poem.
- 9. Discuss the theme of time and transience as expressed in the poem.
- 10. Identify and explain two poetic devices used by Shirley Toulson in the poem.
- 11. Compare the themes of aging and memory in both "The Portrait of a Lady" and "A Photograph".
- 12. How does Khushwant Singh use irony and gentle humour to depict his grandmother?
- 13. Write a short paragraph on how the poet uses a photograph to capture irreversible changes in time.
- 14. Why is letter writing still considered important in the digital age? Give reasons with examples.
- 15. List any 4 features that differentiate classified ads from display ads in newspapers.
- 16. You are Ram/Rajani. Draft a classified advertisement, in not more than 50 words, to be published in India Times for the sale of a used motor car giving all the necessary details. You can be contacted at 12345679.
- 17. You are Gopal/Gopa, 4 Manav Road, Kanpur. You have lost an expensive watch on your way to the market. Write an advertisement for the 'Lost and Found' column of a local newspaper, giving all the relevant details. Offer a reward also. Write the advertisement in about 50 words.
- 18. You are the Director of Sunny Tutorials, an academy providing intensive as well as extensive postal coaching to students appearing for IIT-JEE, CBSE-PMT, etc. Write an advertisement for publication in a newspaper.

- 19. You are Shirish Saxena of 47, Mall Road, Shimla. You are a young man of 35 with seven years of experience as an expert executive. You seek an immediate change to some prestigious export house in Mumbai/Bangalore. Draft a suitable advertisement for the 'Situation Wanted' column of a National Daily.
- 20. You are Sunny/Sammy. You wish to dispose of an old washing machine. Draft a suitable advertisement with your contact details.
- 21. You are the Director of Sunny Tutorials, an academy providing intensive as well as extensive postal coaching to students appearing for IIT-JEE, CBSE-PMT, etc. Write an advertisement for publication in a newspaper.
- 22. You are Mayank. You are leaving for Germany to pursue an engineering course and so wish to sell your high-definition motion gaming console with built-in 85 exciting real action wireless games. Draft a suitable advertisement for publication in 'Hindustan Times' advertising the sale of the gaming system, giving features and relevant details.
- 23. You are Neha/Naresh, a student of Class 11. You are concerned about rising cases of mobile addiction among teenagers. Write a letter to the Editor of a national daily expressing your views and suggesting ways to handle the problem.
- 24. Write a letter to the Editor of The Times of India expressing concern over the poor condition of public parks in your area. Suggest ways for their maintenance and improvement.
- 25. Write a letter to the Editor of a national daily expressing concern about the use of plastic bags despite a ban by the government. Suggest alternative solutions.

Change the tense according to the instructions and maintain meaning.

26. She had been working at the company for10 years. (Change to Future Perfect Continuous)

- 27. I watch movies on weekends. (Change to Present perfect and add a sense of habit)
- 28. He was playing the guitar when the power went out. (Change to Past Perfect Continuous)

Use appropriate tense forms of the verbs given in brackets.

- 29. By the time the guests' (arrive), she (decorate) the hall completely.
- 30. If you (pay) attention, you would have understood what I (try) to explain.

History

Ch - Writing and City Life Write and learn the answers of the following questions-

- 1. Why do we say that it was not natural fertility and high levels of food production that were the causes of early urbanisation?
- 2. Why were mobile animal herders not necessarily a threat to town life?
- 3. What do ancient stories tell us about the civilisation of Mesopotamia ?
- 4. What was the importance of potter's wheel in urban economy?
- 5. What is the modern name of Mesopotamia? Between which two rivers is it situated?
- 6. What is the importance of division of labour in urban life?
- 7. How did the art of writing develop in Mesopotamia ?
- 8. "Agriculture in South Mesopotamia was sometimes subject to hazards." Which factors were responsible for it?
- 9. Describe briefly the palace of King Zimrilim at Mari.

- 10. Mari was splendid from the point of view of trade and prosperity. Give examples.
- 11. What is the importance of art of writing?
- 12. Write three features of Ur city.
- 13. What is the role of efficient transport in urban economy? Give an example of Mesopotamia.
- 14. How did the earliest cities of southern Mesopotamia emerge? Throw light on the construction and increasing importance of the temples built in those cities.
- 15. Describe the main characteristics the city of Ur.
- 16. Give main features of the city of Babylon.
- 17. Iraq is a land of geographical diversities. Explain with examples.
- 18. What does the story of the flood mentioned in the Bible tell?
- 19. How did Mesopotamians write ?
- 20. Of the new institutions that came into being once city life had begun, which ones depended on the initiative of the king?

Something to do -

1. Make a 'seal ' of soft clay - Mesopotamian civilisation.

Geography

Class 11(2025-26) Holiday Homework-FUNDAMENTALS OF PHYSICAL GEOGRAPHY Ch-1 Geography as a Discipline Ch-2 The Origin and Evolution of the Earth Ch-3 Interior of the Earth INDIA: PHYSICAL ENVIRONMENT Ch-1 India - Location Ch-3 Drainage

Write and learn the answers of the following questions-

- 1. What is studied under Biogeography?
- 2. What is studied under Hydrology?
- 3. What are the main branches of Biogeography?
- 4. As a scientific discipline with how many categories of questions is geography concerned ? Explain.
- 5. On the basis of regional approach, explain different branches of geography.
- 6. Explain different branches of geography under Biogeography.
- 7. Physical and human factors both are dynamic not static. Explain.
- 8. What do you know about earthquakes ?
- 9. What do you mean by direct sources?
- 10. Define Geography.
- 11. What are the effects of earthquakes?
- 12. What do you mean by lava?
- 13. What was the nature of the earth's surface initially?
- 14. What were the gasses which initially formed the earth's atmosphere?
- 15. Write an explanatory note on the 'Big Bang Theory'.
- 16. List the stages in the evolution of the earth and explain each stage in brief.
- 17. What do you mean by light year?
- 18. Write a short note on the portion of earth's interior beyond the crust.
- 19. How did the atmosphere originate?
- 20. How were stars formed?
- 21. How did earth develop its different layers?
- 22. Explain how life evolved on the earth?
- 23. Give the extent of India in terms of latitude and longitude and also in kilometres.
- 24. Which physical feature has contributed to the evolution of a unique identity of the Indian subcontinent?

- 25. What are the different stages of development of the atmosphere?
- 26. What do you mean by Drainage? What are the different drainage patterns formed by the rivers?
- 27. What are the important characteristic features of North Indian rivers?
- 28. Write characteristics of the Peninsular rivers.
- 29. How the Ganga River is formed?
- 30. Why are rivers considered as the 'Lifeline of Indian Economy'?

Assignment work-

1. Write a project on river Ganges? What are the negative impacts of rapid industrialisation and urbanization on the courses of rivers?

POLITICAL SCIENCE

Chapter :Constituion

1. What is a Constitution? Why is it important for a country to have one?

- 2. What are the key functions of a Constitution in a democracy?
- 3. Explain the difference between a written and an unwritten Constitution with examples.
- 4. How does the Constitution limit the powers of the government? Give examples.

5. What do you understand by Constitutionalism? How is it different from having just a Constitution?

6. Explain the process of making the Indian Constitution. Who were involved and how was it finalized?

7. Discuss the significance of the Preamble of the Indian Constitution.

8. Why is the Constitution considered a living document? Illustrate your answer.

9. Describe the major features of the Indian Constitution that distinguish it from other constitutions.

10. How does the Indian Constitution ensure a balance between the powers of different organs of government?

Chapter: Election and Representation

11. What is the significance of free and fair elections in a democracy?

12. Distinguish between the First Past the Post (FPTP) system and the Proportional Representation (PR) system.

13. Explain the term 'Universal Adult Franchise.' How does it strengthen democracy?

14. What are the qualifications required to be a voter in India?

15. What is the role of the Election Commission of India in ensuring fair elections?

16. Discuss the advantages and disadvantages of the First Past the Post (FPTP) electoral system in India.

17. How does the Proportional Representation system work? Why is it not used in general elections in India?

18. Explain how elections are conducted for the Lok Sabha in India.

19. What steps have been taken in India to make the electoral process more inclusive and transparent?

20. Describe any two challenges faced by the Indian electoral system and suggest measures to overcome them.

Chapter: The Executive

21. What is meant by the term 'Executive'? Distinguish between political and permanent executive.

22. Who is the real executive in a parliamentary system like India — the President or the Prime Minister? Explain briefly.

23. Mention any two powers of the President of India.

- 24. Why is the Prime Minister called the "chief spokesperson of the government"?
- 25. What is the Council of Ministers? How is it different from the Cabinet?
- 26. How is the President of India elected?
- 27. Describe the relationship between the President and the Prime Minister in the Indian

political system.

- 28. What are the major functions of the Prime Minister in India?
- 29. Explain the composition and role of the Union Council of Ministers in the Indian executive.
- 30. Compare the Parliamentary and Presidential forms of government with suitable examples.

Class XI Computer Science

Draw a flowchart ,write an algorithm and pseudo code for the following questions:

- 1. To find the area and perimeter of a rectangle.
- 2. To calculate the area and the circumference of a circle.
- 3. To calculate the simple interest.
- 4. To check whether year is a lap year or not.
- 5. To check if a number is a positive or negative number.
- 6. To check if a number is an odd or even number.
- To categorise a person as either child (< 13), teenager (13 but ≤ 20) or adult(>=20) based on specified.
- 8. To print all natural numbers up to n.
- 9. To print n odd numbers.
- 10. To print square of a number.
- 11. To accept 5 numbers and find their average.
- 12. To accept numbers till the user enters and then find their average.
- 13. To print squares of first n numbers.
- 14. To print the cube of a number.
- 15. To print to print cubes of first in numbers.
- 16. To find sum of n given numbers.
- 17. To find factorial of a given number.

- Find the range of the following functions given by : f(x) = |x 3|1
- Redefine the function $f(x) = |x 2| + |2 + x|, -3 \le x \le 3$. 2

³ Solve:
$$\frac{5-2x}{3} \le \frac{x}{6} - 5$$
.

Three consecutive vertices of a parallelogram ABCD are A (3, -1, 2), B (1, 2, -4) and 4 C(-1, 1, 2). Find the fourth vertex.

- Find the ratio in which the line segment joining the points (4, 8, 10) and (6, 10, -8) is 5 divided by the YZ- plane.
- Find the point on z-axis which is equidistant from (1, 5, 7) and (5, 1, -4). 6

7 Find the conjugate of :
$$\frac{(3-2i)(2+3i)}{(1+2i)(2-i)}$$
. 2

8 Express
$$i^{15} - 3i^7 + 2i^{109} + i^{100} - i^{17} + 5i^3$$
. in the form $(a + ib)$. 2

9 Express
$$(\sqrt{5} - \sqrt{3}i)(\sqrt{5} + \sqrt{3}i)^2$$
 in the form $(a + ib)$.

¹⁰ Find the magnitude and conjugate of the number
$$\left(\frac{1}{1-4}\right)$$

$$\left(\frac{1}{1-4i}-\frac{2}{1+i}\right)\left(\frac{3-4i}{5+i}\right).$$

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¹¹ Find the multiplicative inverse of the following :
$$\frac{(i+1)(i+2)}{(i-1)(i-2)}$$

¹² If
$$z_1 = 2 + i$$
, $z_2 = 2 - 3i$, $z_3 = 4 + 5i$, evaluate $\operatorname{Re}\left(\frac{z_1 \cdot \overline{z}_2}{z_3}\right)$ 4

13 Find the relation between x and y of a complex variable z = x + iy satisfying the

condition :
$$\left|\frac{z-3}{z+3}\right| = 2$$

¹⁴ If $p + iq = \frac{(a-i)^2}{2a-i}$ show that $p^2 + q^2 = \frac{(a^2+1)^2}{4a^2+1}$.

15 Find the real numbers x and y, if
$$(x - iy)(3 + 5i)$$
 is the conjugate of $-6 - 24i$.

¹⁶ If
$$z_1, z_2, z_3$$
 are complex numbers such that $|z_1| = |z_2| = |z_3| = \left|\frac{1}{z_1} + \frac{1}{z_2} + \frac{1}{z_3}\right| = 1$, then

find the value of $|z_1 + z_2 + z_3|$.

Find the value of $|z_1 + z_2 + z_3|$. Find domain and range of the real function f(x), defined by and $f(x) = \begin{cases} 1-x, & x < 0 \\ 1, & x = 0 \\ x-1, & x > 0 \end{cases}$ 17

draw its graph.

18 Find domain and range of
$$f(x) = \frac{x-2}{x-1}$$
.

¹⁹ I.Q. of a person is given by formula I.Q. = $\frac{M.A.}{CA} \times 100$, where M.A. stands for mental	4
age and C.A., stands for chronological age. If $75 \le I.Q. \le 135$ for a group of 9 year	
children. Find the range of their mental age.	
Solve the inequality : $-3 < 4 - \frac{7x}{2} \le 18$.	4
21 Solve the inequality : $2(x-1) < x+5$, $3(x+2) > 2-x$	4
22 Find all pairs of consecutive odd natural numbers both of which are greater than 10, such that their sum is less than 40.	4
23In a class of 35 students, 17 have taken Mathematics, 10 have taken Mathematics but not Economics. Find the number of students who have taken both Mathematics and Economics and the number of students who have taken Economics but not Mathematics, if it is given that each student has taken either Mathematics or Economics or both.	4
 24Let U = {x ∈ N : x ≤ 8}, A = {x ∈ N : 5 < x² < 50} and B = {x ∈ N : x is prime number less than 10}. Draw a Venn diagram to show the relationship between the given sets. Hence list the elements of the following sets (i) A' (ii) B' (iii) A – B (iv) A ∩ B' 	4
 25In a class, 18 students took Physics, 23 students took Chemistry and 24 students took Mathematics. Of these 13 took both Chemistry and Mathematics, 12 took both Physics and Chemistry and 11 took both Physics and Mathematics. If 6 students offered all the three subjects, find : (<i>i</i>) Total number of students in the class. 	4
(<i>ii</i>) How many took Mathematics but not Chemistry ?	
 (<i>m</i>) How many took exactly one of the 5 subjects? 26 If L, M, N be the feet of the perpendicular segments drawn from a point P(3, 4, 6) on the XY, XZ, YZ planes respectively. What are the coordinates of L, M and N? (a) L(3, 0, 0), M(0, 0, 3), N(0, 6, 0) (b) L(3, 4, 0), M(3, 0, 6), N(0, 4, 6) (c) L(0, 0, 0), M(3, 0, 6), N(0, 4, 0) (d) L(3, 4, 6), M(3, 4, 6), N(3, 4, 6) 	1
27 The length of the longest piece of a string that can be stretched straight in a rectangular room whose dimensions are 10, 13 and 8 units is	1
Name the octant in which point $(4, -3, 5)$ lies.	1
Name the octant in which point $(4, -3, 5)$ lies.	1
30 Find the image of point $(-5, 4, -3)$ in the XOZ-plane.	1
31 Three vertices of a parallelogram ABCD are A (3, -1, 2), B (1, 2, -4) and C(-1, 1, 2). Find the coordinates of the fourth vertex.	1
32Three friends were having get together. Suddenly they decided to play with their names using sets. Name of friends were AARTI, CHARVI and AYSHA. They asked	4

(i) How letters used for AARTI are written in roster form as a set?

each other the following questions.

- (ii) What is the difference of set of letters of CHARVI and AYSHA?
- (iii) Form a union of sets taking the letters of names of friends.

Or

(iii) Form a set of intersection of sets taking the letters of names of friends.

33 After explaning operation on sets, Mathematics teacher in class wrote there sets as A = $\{2, 3, 4, 5\}, B = \{6, 7, 8\},$

 $C = \{x : x \text{ is prime number less than 10}\}$. She asked the students that the following questions will judge how much you have understood. She asked the students to write down the answers and later they can check from the answers written by teacher and give marks.

(i) Find $A \cup B$.

(ii) Find $(A \cup B) \cap C$.

(iii) Find (C - B).

Or

(iii) Find $(A \cap C) - B$.

34After the annual examinations some friends went to a mall for some purchases and on timing. One of the friends were keen to buy shirt and trousers. For shirt his choice of colours were "red, black, white, dark blue" and for trousers choice of colour were "black, white, grey" based on above information answer the following.

(i) How many combination of shirt and trousers are possible, irrespective of colour combinations?

(ii) With white and black shirt, how many combinations are possible of black trousers?

(iii) If we consider relation from set of shirts to set of trousers how many relations are possible?

Or

(iii) If dark blue shirt is combined with any of trouser. In mathematical term will it represent a function?

35In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Choose the correct answer out of the following choices.

Assertion (A): $\{x : x \text{ contains } 28 \text{ or } 29 \text{ days in a month depending upon the year"} \}$ is a singleton set.

Reason (R): A set containing one element is known as a singleton set.

(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)

(b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A)

- (c) Assertion (A) is true but Reason (R) is false
- (d) Assertion (A) is false but Reason (R) is true

36 In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Choose the correct answer out of the following choices.

Assertion (A): In a set of prime numbers, any two elements are coprime.

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Reason (R): HCF of two coprime numbers is 1.

(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)

(b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A)

- (c) Assertion (A) is true but Reason (R) is false
- (d) Assertion (A) is false but Reason (R) is true
- 37In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Choose the correct answer out of the following choices.

1

Assertion (A): Set of real numbers can be taken as universal set for the set of natural numbers, set of whole numbers, set of integers, set of rational numbers, set of irrational numbers.

Reason (R): The set of natural numbers, the set of whole numbers, the set of integers,

the set of rational numbers, the set of irrational numbers are all real numbers also.

(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)

(b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A)

(c) Assertion (A) is true but Reason (R) is false

(d) Assertion (A) is false but Reason (R) is true