

ग्रीष्मावकाश गृहकार्य

कक्षा 10

1. कला एकीकृत (art integrated project) के हरियाणा और मणिपुर के लेखक, कवि का तुलनात्मक अध्ययन करते हुए परियोजना कार्य तैयार करें।

2. नारी सशक्तिकरण पर आधारित पांच कविताओं का चित्रात्मक संकलन तैयार करें।

3. बदलते हुए मौसम को दर्शाते हुए चित्रों का संग्रह कर एक अलबम तैयार कीजिए।

Assignment कक्षा 10 कुल अंक 25

निम्नलिखित वाक्यों का रचना के आधार पर भेद लिखिए।

1. माँ घर से निकली और बच्चा रोने लगा।
2. जैसे ही मैं परीक्षा भवन पहुंचा घंटी बज गई।
3. दूध उबलने लगा और मैंने गैस बंद कर दी।
4. हलवाई की मिठाई पर मक्खियाँ मंडरा रही थी।
5. जैसे ही मैं बाजार पहुंचा वहां भगदड़ मच गई।
6. रमेश ने कहा कि वह आज ही अमेरिका जा रहा है।
7. सीमा छाता बंद कर अंदर चला गया।
8. जो मित्र मुसीबत में काम आए उसी पर विश्वास करना चाहिए।
9. प्रेमचंद मुंबई गये मगर वहां उनका मन नहीं लगा।
10. दिवाकर अभी तक सोया है।
11. मतदाताओं ने वाजपेयी को नेता चुना।
12. पिता जी नाराज होकर भाई को डांट रहे हैं।
13. पिता जी नाराज हैं और भाई को डांट रहे हैं।
14. चूंकि पिताजी नाराज हैं इसलिए तो भाई को डांट रहे हैं।
15. मेरे पास एक गुड़िया है जो नाचती है।

निम्नलिखित वाक्यों का निर्देशानुसार परिवर्तन कीजिए।

16. बीमार लड़की घर चली गई। (संयुक्त वाक्य में)
17. काली साड़ी वाली लड़की को बुलाओ। (मिश्र वाक्य में)
18. बच्चा दौड़ कर यहां आया। (संयुक्त वाक्य में)
19. पिता ने पर्स खोला और पैसे दिए। (मिश्र वाक्य में)
20. जैसे ही चोर घर में घुसे पुलिस आ गई। (संयुक्त वाक्य में)
21. वह काम करो जिसमें फायदा हो। (सरल वाक्य में)
22. राम और कृष्ण दोनों जाएंगे। (संयुक्त वाक्य में)
23. मुझे फल भी खरीदने हैं और सब्जी भी खरीदनी हैं। (सरल वाक्य में)

24. मैंने भाई से यह बात कही कि मैं मेला जाऊंगा। (सरल वाक्य में)

25. बादल छाने पर मन खुश हो जाता है। (मिश्र वाक्य में)

HOLIDAYS HOME WORK

Class X

English

(A) Do following ASSIGNMENT in your NB

- (1) Lencho was visibly upset on seeing God's reply to his letter. Why?
- (2) " The Sun shall never set on so glorious a human achievement". What does Mandela mean by this statement?
- (3) How was the seagull rewarded for his first successful flight?
- (4) What unusual spectacle did the pilot of Dakota DS 088 see in the black clouds quite near him?
- (5) What kind of picture does the poet paint of nature in ' Dust of Snow'?
- (6) Do you think it is immaterial for the poet which way the world ends? Give reasons in support of your answer.
- (7) Why was Tricki unable to get enough exercise at home?
- (8) Hari Singh was a seasoned thief. Comment.
- (9) As Hari Singh write a diary entry describing your feelings on getting away without any punishment from Anil.
- (10) Mrs. Pumphrey was a bad parent for Tricki. Do you agree? Why/ Why not?
- (11) Life of a tiger in the zoo is pathetic. Discuss.
- (12) People dread destruction, yet are the chief cause of it. Discuss with special reference to the poem ' Fire and Ice'.
- (13) Bring out the element of mystery in the story 'The Black Aeroplane'.
- (14) What were the key points of Mandela's address at the inauguration?
- (15) Does it make sense these days to be a good Samaritan like the postmaster and his colleagues? Why/ Why not?

(B) Prepare a MAGAZINE of around 15 pages including different columns like Entertainment, Sports, Cookery, Astrology, Story etc. Also give it a creative title. It is a group activity for 4-6 students in a group. (Size- A4)

(C)

(D) Describe following LITERARY DEVICES with examples from the text as well as from outside.

- (i) Enjambment
- (ii) Anaphora
- (iii) Personification
- (iv) Symbolism

Add illustrations also. Individual activity. (Size- A3, 1 or 2 sheets)

Math

- Three tankers contain 403 litres, 434 litres and 465 litres of diesel respectively. Find the maximum capacity of a container that can measure the diesel of the three containers exact number of times.
- 2. Find the least number which when divided by 6, 15 and 18 leave remainder 5 in each case. 61. Find the smallest 4-digit number which is divisible by 18. 24 and 32.
- 3. Renu purchases two bags of fertiliser of weights 75 kg and 69 kg. Find the maximum value of weight which can measure the weight of the fertiliser exact number of times.
- 4. In a seminar, the number, the number of participants in Hindi, English and Mathematics are 60. 84 and 108, respectively. Find the minimum number of rooms required if in each room the same number of participants are to be seated and all of them being in the same subject.
- 5. 144 cartons of Coke cans and 90 cartons of Pepsi cans are to be stacked in a canteen. If each stack is of the same height and is to contain cartons of the same drink, what would be the greatest number of cartons each stack would have?
- 6. A merchant has 120 litres of oil of one kind, 180 litres of another kind and 240 litres of third kind. He wants to sell the oil by filling the three kinds of oil in tins of equal capacity. What would be the greatest capacity of such a tin?
- 7. Determine the smallest 3-digit number which is exactly divisible by 6. 8 and 12.
- 8. Determine the greatest 3-digit number exactly divisible by 8. 10 and 12.
- 9. Find the largest number which divides 2053 and 967 and leaves a remainder of 5 and 7 respectively.
- 10. Prove that $\sqrt{2}+\sqrt{3}$ is an irrational number.
- 11. Prove that $\sqrt{3}+\sqrt{5}$ is an irrational number.
- 12. Prove that $7-2\sqrt{3}$ is an irrational number.
- 13. Find the quadratic polynomial whose zeroes are $2+\sqrt{3}$ and $2-\sqrt{3}$.
- 14. Find the quadratic polynomial whose zeroes are $(3-\sqrt{3})/5$, $(3+\sqrt{3})/5$.
- 15. If m and n are zeroes of the polynomial $3x^2 + 11x - 4$, find the value of $m/n + n/m$
- 16. If a and b are zeroes of the polynomial $x^2 - x - 6$, then find a quadratic polynomial whose zeroes are $(3a+2b)$ and $(2a + 3b)$.
- 17. Find the zeroes of the polynomial $mx^2 + (m+n)x + n$.
- 18. If the product of zeroes of the polynomial $ax^2 - 6x - 6$ is 4, find the value of 'a'.
- 19. If one zero of the polynomial $(a^2+9)x^2 + 13x + 6a$ is reciprocal of the other. Find the value of a.

- 20. If a and b are the zeroes of $2x^2 + 5(x-2)$, then find the product of a and b .
- 21. A man's age is three times the sum of the ages of his two sons. After 5 years his age will be twice the sum of the ages of his two sons. Find the age of the man.
- 22. If twice the son's age in years is added to the mother's age, the sum is 70 years. But if twice the mother's age is added to the son's age, the sum is 95 years. Find the age of the mother and her son.
- 23. A and B each has some money. If A gives Rs. 30 to B then B will have twice the money left with A. But if B gives Rs. 10 to A then A will have thrice as much as is left with B. How much money does each have?
- 24. Find the four angles of a cyclic quadrilateral ABCD in which $\angle A = (2x - 1)^\circ$, $\angle B = (y + 5)^\circ$, $\angle C = (2y + 15)^\circ$ and $\angle D = (4x - 7)^\circ$.
- 25. The area of a rectangle remains the same if the length is increased by 7m and the breadth is decreased by 3m. The area remains unaffected if the length is decreased by 7m and the breadth is increased by 5m. Find the dimensions of the rectangle.
- A) Art Integrated Project
- Haryana vs Manipur
- Comparison of Area and Population
- B) Model of Factor Tree (RN1-10)
- C) Working Model of Zeroes of Polynomial on Graph (R.N 11-20)
- D) Model for consistency and Inconsistency of pair of Linear Equations

• Assignment 2

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• SCIENCE

1. Prepare a working model of any one of these

- Heart
- Excretory system
- System of resistors in series and parallel
- electrolysis of water

2. Draw a chart on any of these

- Ray diagrams of image formation by a concave mirror and a convex lens
- Atmospheric refraction
- Refraction by a glass slab
- Hormones in human body
- Physical property of metals and nonmetals

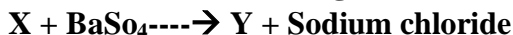
3. Solve the given assignment in a separate notebook

1. A white salt on heating decompose to give brown fumes & a residue is left behind.

a) Name the salt

b) Write the equation for the reaction.

2. consider the following reaction



a) Identify X & Y

b) Name the type of reaction.

3. A zinc plate was put into a solution of $CuSO_4$ kept in a glass container. It was found that blue colour of solution gets fader with passage of time when zinc plate was taken out a no. of holes were observed on it.

a) state the reason for the change

b) write the chemical equation involved.

4. a) why do walls of trachea not collapse when there is less air in it?

b) in a single celled organism diffusion is sufficient to meet all the requirement but it is not in the case of multicellular organisms .why?

5. what are the final products after digestion of carbohydrates and proteins?

6.a) The breathing cycle is rhythmic whereas exchange of gases is a continuous process. Justify the statement.

b) what happens if conducting tubes of circulatory system develops a leak?

7. Light enters from air to glass having refractive index 1.50 . what is the speed of light in glass?

8. The radius of curvature of a converging mirror is 30 cm , $u=24$ cm calculate the image distance, magnification and height of image.

9. it is desired to obtain an erect image of an object using concave mirror of focal length 12 cm.

a) what should be the range of distance of an object placed in front of mirror?

b) where will the image formed when it is placed 24 cm in front of mirror? Draw a ray diagram to justify the answer.

10. The refractive index of x with respect to y is $\frac{2}{3}$ and of y w.r.t z is $\frac{4}{3}$. Calculate refractive index of z w.r.t x .

SOCIAL SCIENCE

1. Prepare a project file on any one topic from the followings -

*Sustainable development

*Social issues

*Consumer rights

2. Prepare an art integrated project on regional political parties of Haryana and Manipur.

3. Solve the given assignment on A4 sheets .

ASSIGNMENT :

1. Draw a mind map to show the ethnic composition of Belgium.

2. How is power sharing model of Belgium unique?

3. What were the main provisions of act passed by Sinhala government in Sri Lanka in 1956?

4. What were the causes of civil war in Sri Lanka?

5. How did civil war affected the minority as well as majority in Sri Lanka?

6. Explain prudential and moral reasons for power sharing.

7. Differentiate between horizontal and vertical power sharing.

8. How is power shared among different social groups in modern democracies?

9. Explain the concept of community government established in Belgium.

10. Explain power sharing between political parties, pressure groups, and movements with suitable examples.

ASSIGNMENT

L-6 POLITICAL PARTIES

Q-1 What is political party? Why do we need political parties?

Q-2 What do political parties do?

Q-3 What are the three components of a political party?

Q-4 Explain the functions of political parties?

Q-5 What will be the situation without political parties?(Imagine the situation)

Q-6 What is the necessity of political parties? OR

Q-7 What are the needs fulfilled by political parties?

Q-8 Why is one party not good for democracy?

Q-9 Discuss the classification of party system on the basis of the number of parties in the political system?

Q-10 What is an Alliance or joint or coalition government?

Q-11 What are the effects of multi party system ?

Q-12 How has multi party system strengthened democracy in India? Explain.

OR

No party system is ideal for all countries and in all situations. Justify the statement with five arguments.

Q 13 What are the challenges faced political parties?

Q 14.How can parties be reformed? Explain about recent efforts and suggestions to reform parties in our country.

Q 15. Explain the terms:-

Defection and Affidavite.

A.I

1. PREPARE A CHART OF A.I

2.ASSIGNMENT:

- 1.What is sustainable development?
2. . Give any two example of AI solutions to Social Issues?
3. What are the different career opportunity in Artificial Intelligence.

4. What different Skills required in AI-related Job?
5. What are the different ethical challenges in Artificial Intelligence?
- 6. How can you identify the problem scoping from the project?**
- 7. . What is data acquisition?**
- 8. How many types of dataset available in AI?**
- 9. Why is Data Exploration required?**
- 10. Why is a Data Visualization Chart required?**

