

**KV AFS BAGDOGRA**  
**CLASS X**  
**SUMMER VACATION**  
**HOLIDAY HOMEWORK**

**Subject : English**

1. Write the textual questions of 'Triumph of Surgery'.
2. Hema wanted to write a story but couldn't complete it. Help her complete the story with the input given. Write in about 150-200 words. Give a suitable title and moral to the story. It was a bright day and you were reading a book in your lawn. Suddenly a man threw a bag in your garden and he ran away', you called out but- - -
3. You saw a girl working as a maid while going to your school today. Write a diary entry expressing your views on child labour. Write this entry in about 100-150 words.
4. Recently you came upon a news item about lack of fitness. Write an article for a newspaper highlighting the importance of exercise and yoga in daily life. Write about 100-150 words.
5. You are Ajay/Anju of class X. Write a letter to your Principal and request him to introduce Sanskrit as an optional subject. Cite a suitable reason for it.
6. You are Sumit/Sumita of XB. Write a letter to M/s. Bhatia Book store and inquire that why your English text books didn't reach to you till date.
7. Write a letter to complaint to the local post master of your locality, stating that the concern postman doesn't deliver the letters on time.
8. Write a letter to M/s Jyoti Sports Agency Kolkata and place an order for 5 sets of hockey sticks, 7 sets of cricket bats, 1 dozen of cricket balls. Mention the delivery date too.

\* Do all these questions in 'Preparatory Copy'.

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**विषय - हिन्दी**

- 1) रस की परिभाषा लिखकर उसके भेदों को उदाहरण सहित लिखिए ।
- 2) आप अपने दोस्त के साथ मिलकर हस्ता कला केंद्र खोल रहे हैं। उसके प्रचार हेतु एक विज्ञापन लिखिए ।
- 3) राष्ट्रपति द्वारा 'वीर बालक पुरस्कार' से सम्मानित अपने भतीजे को बधाई पत्र लिखिए ।

- 4) अपने क्षेत्र की यातायात व्यवस्था को सुधारने के लिए परिवहन आयुक्त को पत्र लिखिए
- 5) संकेत बिन्दुओं के आधार पर 200 से 250 शब्दों में निबंध लिखिए |
- क) कंप्यूटर ; संकेत बिंदु - प्रस्तावना, कंप्यूटर क्या है?, कंप्यूटर की विशेषताएँ, जीवन के विभिन्न क्षेत्रों में कंप्यूटर का महत्त्व, उपसंहार |
- ख) ट्वेंटी-20 क्रिकेट का रोमांच : संकेत बिंदु- प्रस्तावना, ट्वेंटी-20 क्रिकेट की शुरुआत, खेल को लोकप्रिय बनाने में आई पी एल की भूमिका, ट्वेंटी -20 क्रिकेट की रणनीति, मैच का रोमांच, उपसंहार |

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**Subject: Social Science**

History

1. What does Nation State Mean?
2. What is plebiscite?
3. When did French Revolution take place?
4. List any three features of the Civil code of 1804.
5. Who hosted the treaty of Vienna?
6. Why was Mazzini sent into exile in 1831?
7. Name the place where William I was crowned?
8. What was the tension of Balkans nations?
9. Why did nationalist tensions emerge in the Balkans?
10. Describe the process of the unification of Italy.
11. What was the condition of Italy before unification?
12. Examine the role of women in the nationalist struggle of Europe.
13. What were the effects of revolutionary upheaval in France in 1930?
14. Explain the three provisions of Treaty of Vienna of 1815.
15. Analyse the measures and practices introduced by the French revolutionaries to create a sense of collective identity amongst the French people.

Geography

16. Distinguish between Khadar and Bangar.
17. Explain some factors responsible for soil formation.
18. Explain any three human activities responsible for land degradation in India.
19. What are the three stages of resource planning in India?
20. Distinguish between stock and potential resources.
21. On the basis of ownership what are the different types of resources?

## Economics

22. What is infant mortality rate?
  23. Define Net attendance ratio.
  24. Explain three components of Human Development Index.
  25. Why do we use averages to compare the development of countries? What are the limitations in using it?
- Project- In subject enrichment file prepare a project on Natural Disaster with hand drawing pictures and related descriptions.
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## **Subject : Science**

### CHAPTER -1: Chemical Reaction and Equation

1. Give one example of decomposition reaction which is created in the presence of (a) Electrical Energy (b) Sunlight (c) Heat Energy.
2. (a) An iron knife kept in a copper sulphate solution turns the solution light green?  
(b) During electrolysis of water gas collected in one test tube is double than other why?
3. What happens when quick lime is dissolved in water? Write the balanced chemical equation? Write the type of the reaction that has occur?
4. What is redox reaction? Identify the substance oxidised and substance reduced in the following reaction  
(a)  $2\text{PbO} + \text{C} \longrightarrow 2\text{Pb} + \text{CO}_2$   
(b)  $\text{MnO}_2 + 4\text{HCl} \longrightarrow \text{MnCl}_2 + 2\text{H}_2\text{O} + \text{Cl}_2$
5. (a) what change in colour is observed when white silver chloride is left exposed. State type of chemical reaction?  
(b) Why do potato chips manufacturer free the packet of chip with hydrogen gas?  
(c) Why do gold and platinum not corrode in moist air?
6. What is rancidity? Mention any two ways rancidity can be prevented?
7. Balance the following equations:-  
(a)  $\text{HNO}_3 + \text{Ca(OH)}_2 \longrightarrow \text{Ca(NO}_3)_2 + \text{H}_2\text{O}$   
(b)  $\text{NaOH} + \text{H}_2\text{SO}_4 \longrightarrow \text{Na}_2\text{SO}_4 + \text{H}_2\text{O}$   
(c)  $\text{NaCl} + \text{AgNO}_3 \longrightarrow \text{AgCl} + \text{NaNO}_3$



Chapter:2 : Life process

- (8) Draw the flow chart to show the three ways in which glucose is broken down?
- (9) write down the function of Hel, mucus, and pepsin related by the glands of stomach wall?
- (10) List the steps of photosynthesis writes any two differences between light and dark reaction?
- (11) (a). Name one of the gland in human body which secret digestive enzyme as well as hormone
- (b). Give the reason :-
- (i) The lung alveoli are covered with blood capillaries?
  - (ii) The wall of trachea is supported by cartilage rings?
- (12) Draw a diagram of internal structure of beart and currite the circulation of blood through it?
- (13). Give reasons for the following:-
- (a) The wall of ventricle are thicker than wall of atriuur?
  - (b). The colour of human blood is red?
  - (c). Arteries have thick elastic walls?
- (14) What is main exavelotry organ of human being? What its function . How urine is from the kidney?
- (15). List in tubular kinds of blood vessels of human circulatory system and write the function ?
- Or
- List any three differences between arteries and vein?

(16) (a) Draw diagram of open and close stomata and label on it guard cells and chloroplast?

(b) State two functions of stomata ?

(c) How guard cell regulate the opening and closing of stomatal pores?

17. (a) The radius of curvature of a spherical mirror in ..... what is its focal length?

(b) Which type of mirror is used as shaving mirror and rear view mirror?

18. Write three applications each of concave and convex lens?

19. (a) The radius of the curvature of spherical mirror in focus? What is the focal length?

(b) What is the dioptre of power of lens?

(c) Two lenses have power  $+2D$  and  $-4D$ . Find out the focal length and nature of each lens?

20. An object of size 7 cm is placed perpendicular to the principal axis at a distance of 27 cm in front of a concave mirror. The focal length of the mirror is 18 cm.

Find the (a) position (b) Size and (c) Nature of the image produced?

21. Draw ray diagram to show the formation of an image formed by a concave mirror and convex lens is placed between focus and pole of the mirror?

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### **Subject: Mathematics**

#### Textbook Questions

1. Page 5. Q.N. eg-1
2. Page No.6 eg-3
3. Page No. 7 Ex-1.1, Q.N. 4,2
4. Page No. 10. Q.N. eg-6,7
5. Page No. 11 Ex-1.2, Q.N. 4,5,6
6. Page No. 13, Q.N. eg.9
7. Page No. 17, Ex-1.4, Q.N. 1,2
8. Page No.30, Q.N. eg-2,3,4
9. Page No. 33 Ex-2.2, Q.N. 1,2
10. Page No. 34, Q.N. eg-7,8

11. Page No. 36, Ex-2.3, Q.N. 3,4
12. Page No. 44, Ex-3.1, Q.N. 2,3
13. Page No. 49 Ex 3.2, Q.N. 1(II), 2,6,7
14. Page No. 53, Ex-3.3, Q.N. 1(IV),(VI),2,3(IV),(VI)
15. Page No. 54 , Ex -3.3, Q.N. 2(II),(III),(IV)
16. Page No. 62, Ex-3.5,1,2,3,4(I),(II),(IV),(V)
17. Page No. 67, Ex-3.6, Q.N.1(II),(IV),(VI),(VIII),2(II),(III)