



Diwali Assignment-2022-23
STD. IX

ENGLISH

1. Write an article on 'Save Environment' (Word limit in 100-120).
2. Write a debate on the given topic: "Do you think today's generation should be concerned about population growth". (Word limit in 100-120).
3. Read the story "The Snake and the Mirror". Now prepare a Word Wall of 20 difficult words that you learnt from the story.
4. Write a diary entry about an incident when you were disrespectful and disobedient to someone. (Word limit 100-120.)
5. Gather information about Rabindra Nath Tagore and his famous works and prepare a biographical sketch using the following hints:
 - 1). Name
 - 2) Date of Birth
 - 3) Education Qualification
 - 4) Family
 - 5) Famous works
 - 6) Achievements.

I. Answer the following questions.

1. Why was Santosh sent to the local village school ?
2. Why did Santosh 's parents agree to pay for her schooling in Delhi ?
3. Why did Santosh want to fight the system ?
4. What motivated Santosh for mountain climbing ?
5. How are Maria's achievements significant ?
- 6 . What does Maria declare to be her 'Mantra for success' ?
7. Maria's parents played an important role in her success. How ?
8. Why does Maria call herself totally Russian ?
9. Why does the world remember Einstein as a 'world citizen' ?
10. Why did Einstein react to the bombing of Hiroshima and Nagasaki ?

Long Answer Questions.

11. Kezia's feelings for her father had changed from fear to understanding . Explain with reference to the chapter.
12. Santosh Yadav drifted all orthodox social customs to choose her own path . What traits do you admire in her that made her a successful woman ?
13. Mental toughness and determination became a key to Maria's success. How do these qualities in an individual help him in pursuing his dream ?

Reference to Context.

14. 'Instead of letting that depress me. I became more quietly determined and mentally tough.'

- (1) Whom does I refer here ?
- (2) What are the two characteristics that have been described here ?
- (3) What was her determination ?
- (4) What does she mean by 'depress' ?
- (5) What was her mental toughness ?

15. ' The feeling was indescribable . The Indian flag was flying on the top of the world . It was truly a spiritual moment . I felt proud to be an Indian . '

- (1) What did Santosh feel when she unfurled the Indian flag ?
- (2) The 'feeling in indescribable' , what does it mean ?
- (3) Who is the speaker ?
- (4) Name the lesson .

16. Write a descriptive paragraph on Children's Day . (100-120 words)

17. You did river rafting with your cousins. You also learned tips on river rafting . Write a diary entry (100-120 words) .

18. Write a story in 100-120 words beginning with the following line .

'I was walking alone near the sea beach when I suddenly heard somebody screaming from the pine bushes .'

19. Fill in the blanks.

The first milestone in (a) _____ system of basic communication (b)_____ effective thinking which is (c) _____ key to real leadership. Language being (d)_____ art it requires mastery (e) _____ the skills listening , speaking , reading and writing . Listening to a given matter with comprehension leads to spontaneous thinking.

- (a) (i) the (ii) an (iii) a (iv) that
- (b) (i) is (ii) am (iii) are (iv) was
- (c) (i) and (ii) an (iii) a (iv) the
- (d) (i) an (ii) a (iii) the (iv) on
- (e) (i) in (ii) at (iii) of (iv) over

20. Editing .

Incorrect Correct

Kut Kut was an hardworking

(a) _____

squirrel. She lived on a tree hole.

(b) _____

She was over the impression that

(c) _____

she has enough food in store for the

(d) _____

bad days, until she found that

(e) _____

someone had been stealing her nuts.

SOCIAL SCIENCE

1. 'Describe the problems faced by the Weimar Republic'.
2. 'Why did Nazism become popular in Germany by 1930s? Discuss in detail.
3. Explain why Nazi propaganda was effective in creating a hatred for Jews.
4. Explain what role women had in Nazi society. Write a paragraph comparing and contrasting the role of women in the two periods.
5. What is the role of 'Western disturbances' in the Indian climate?
6. Differentiate between South West (SW) monsoon and North East (NE) monsoons.
7. What do you understand by the phenomenon of ENSO?
8. Locate and label the following countries with the help of following information on the world map:-
(A) Axis Powers- Germany, Italy and Japan.
(B) Allied Powers- UK, France, USSR and USA.
9. Locate and label the following territories under German Expansion (Nazi party):-
(A) Austria (B) Poland (C) Slovakia (D) Denmark (E) Lithuania (F) Belgium (G) France
10. On an outline map of India, show the following:-
(A) Areas receiving rainfall less than 20 cm.
(B) Areas receiving rainfall over 400 cm.

SCIENCE

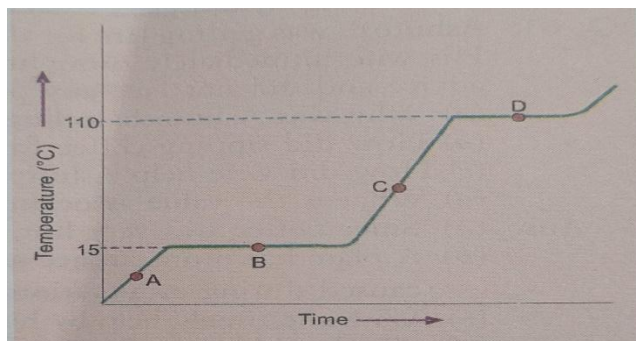
➤Physics

1. A rocket is moving up with a velocity v . If the velocity of this rocket is suddenly tripled. What will be the ratio of two kinetic energies ? (2M)
2. The velocity of a body moving in a straight line increased by applying a constant force F , for some distance in the direction of the motion. Prove that the increase in kinetic energy of the body is equal to the work done by the force on the body. (3M)
3. A girl having mass of 35kg sits on a trolley of mass 5kg. The trolley is given an initial velocity of 4m/sec by applying a force. The trolley comes to rest after traversing a distance of 16m. (3M)
(I) How much work is done on trolley?
(II) How much work done by the girl?
4. A light and a heavy object have same momentum. Find out the ratio of their kinetic energies. Which one has larger kinetic energy? (3M)
5. Define Watt. Express kilowatt in terms of joule/sec. A 150kg car engine develops 500w for each kg. What force does it exert in moving the car at a speed of 20m/sec? (3M)
6. Compare the power at which each of the following is moving upwards against the force of gravity? (given $g = 10\text{m/sec}^2$)
(I) a butterfly of mass 1.0g that flies upward at a rate of 0.5m/sec .
(II) a 250g squirrel climbing up on a tree at a rate of 0.5m/sec . (3M)

7. (i) what is a nuclear fission reaction? (1M)
- (ii) Name two types of nuclear reactions that liberate huge amount of energy. (1M)
- (iii) what types of nuclear reaction takes place in a nuclear reactor? (1M)
- (iv) Explain mass- energy equivalence in brief. (2M)

➤Chemistry

1. The given graph shows the heating curve for a pure substance. The temperature rises with time as the substance is heated:



- a. What is the physical state of the substance at the points A, B, C and D?
 - b. What is the melting point of the substance?
 - c. What is the boiling point?
 - d. What happens to the temperature while the substance is changing state?
 - e. The substance is not water. How can you judge from the graph?
2. During vacation, Neha got an opportunity to visit a village. She found ladies cooking food in open pans. She sat with them for some time and advised them to use pressure cooker instead of open containers in order to save time as well as fuel.
 - a. How does cooking in a pressure cooker help in saving time?
 - b. How does cooking in a pressure cooker help in saving fuel?
 - c. What is the value associated with this gesture of Neha?
 3. Calculate the mass of potassium sulphate required to prepare its 10 percent (mass percent) solution in 100g of water.
 4. Differentiate between mixture and compound.
 5. What is saturated solution? What happens when a saturated solution is heated?
 6. a). Identify the solute and solvent in tincture of iodine.
 - b). Why is Tyndall effect not seen in a true solution?
 7. a). Draw a flow sheet diagram to show the process of obtaining constituent gases from air.
 - b). Which gas condenses fast? Why?

➤Biology

- I . Make a model of any one of the following:

1. Neuron.
2. Plant cell / Animals cell

II. FILE WORK

- Q1. Name the different parts of Neuron and write their functions.

Q2. Write the functions of the following cell organelles.

- a) Golgi Apparatus.
- b) Plastids.
- c) Vacuoles.
- d) Endoplasmic Reticulum.
- e) Lysosomes.

MATHEMATICS

1. Make lamps, candles, decorative items using the concept of menstruation.
2. Write the process of opening bank account of different schemes where S.I. and C.I. is used.
3. Do any 3 lab manual activities from final portion.
1. Find the area of a triangle whose sides are 12 cm, 6 cm and 15 cm. [2]
2. Find the area of a triangle whose sides are 4.5 cm and 10 cm and perimeter 10.5 cm. [2]
3. A park in the shape of a quadrilateral ABCD has $C = 90^\circ$. $AB = 18$ m, $BC = 24$ m, $CD = 10$ m and $AD = 16$ m. How much area does it occupy? [3]
4. Find the area of a triangle having perimeter 32cm. One side of its side is equal to 11cm and difference of the other two is 5cm. [3]
5. Perimeter of the rhombus is 100 m and its diagonal is 40m. Find the area of rhombus. [5]
6. Two parallel sides of a trapezium are 60 cm and 77 cm and other sides are 25 cm and 26cm. Find the area of trapezium.

Hots

7. The length of each side of a triangle is increased by 20% then find the percentage increase of area.

Project Work

- ☐ Art integrated project
- ☐ Five lab manual activities of term 2 syllabus.

INFORMATION TECHNOLOGY

1. Very short answer type question.

- a. Explain the term Entrepreneur.
- b. Why IT BPM industries are doing well in India?
- c. Explain the concept of Word Processing.
- d. What do you mean by touch typing? Explain.
- e. Explain the function of Navigator.

2. Short answer type questions.

- a. What do you understand by Typing Ergonomics?
- b. Does all self employed individuals are entrepreneurs? Give reason.
- c. What is the difference between cut-paste and copy-paste? Explain.
- d. Explain the aspects of Entrepreneurship.
- e. Differentiate between toggle keys and function keys.

3. Long answer type questions.

- a. What are the major differences between Entrepreneurship and Entrepreneur?
- b. Sultana lives in small village of Rajasthan. She noticed that some of women of her village is good in painting, some in handcraft. She helped those women to avail raw materials from big cities and supports them to sell those products in big cities. How do you think, Sultana is helping her society as an entrepreneur?

- c. What are the main objectives of ICT?
- d. Compare the era with and without IT and ITes.
- e. Indira, a small town girl runs a small business. She has selected an area to open another branch of it. What are the main aspect she has to keep in mind to make it a sucess. Also find out the drawbacks if she starts the same in an area far away from the cities.

हिन्दी

1. दीपावली मनाने के पीछे कौन सी पौराणिक कथा मशहूर है और उससे आपको क्या प्रेरणा मिलती है? अपने विचार लिखें।
2. कले के माध्यम से एक दीप तैयार कर उसे सुन्दर ढंग से सुसज्जित करें।
3. छठ पर्व के चार दिनों के अलग-अलग महत्व को चित्रों के माध्यम से दर्शाएँ तथा उसके महत्व को लिखते हुए एक फाइल तैयार करें।

दीपावली अवकाश सत्रीय कार्य 2022.23

सामान्य निर्देश: यथासंभव अपने शब्दों में ही उत्तर लिखें।

शब्दों एवं वाक्यों की शुद्धता पर विशेष ध्यान दें।

एक पतली कॉपी में ही इस सत्रीय कार्य को बनाएँ।

निम्नलिखित प्रश्नों के उत्तर लिखिए।

1. हमें प्रकृति और पक्षी को किस नजर से देखना चाहिए?
2. क्या वेशभूषा किसी व्यक्ति के व्यक्तित्व के निर्धारण में सहायक होती है? प्रेमचंद के फटे जूते पाठ के आधार पर पक्ष विपक्ष में अपने विचार प्रकट कीजिए।
3. स्वतंत्रता सेनानियों का गहना क्या है?
4. उँची काली दीवारों से कवि माखनलाल चतुर्वेदी का क्या तात्पर्य है?
5. पंत जी को प्रकृति का सुकुमार कवि क्यों कहते हैं?

निम्नलिखित प्रश्नों के उत्तर 50 से 80 शब्दों में दीजिए।

6. व्यक्ति अपनी मृत्यु के निकट पहुंचने पर अपनी दबी हुई इच्छा को व्यक्त कर देता है। लेखिका की नानी के व्यवहार के आधार पर स्पष्ट करें।
7. अंगुली ढकी है पर पंजा नीचे घिस रहा है। पाठ के आधार पर पंक्ति में निहित व्यंग को स्पष्ट कीजिए।

लेखन पर आधारित प्रश्न .

8. जैसे को तैसा तथा जैसी करनी वैसी भरनी पंक्ति को आधार बनाकर एक लघु कथा लिखें।
9. बिजली विभाग के अधिशासी अभियंता को एक ईमेल लिखकर सूचित करें कि आपका मीटर खराब है इसे जल्द से जल्द बदलने की कृपा करें।
10. अपने चचेरे भाई को एक ईमेल लिखें और उसे अपने स्कूल के वार्षिक समारोह में आमंत्रित करें जहाँ आपको पुरस्कार प्राप्त करना है। अपने पुरस्कार के बारे में भी विवरण दें।

संस्कृत

Sanskrit Project Make a poster on Chhath Parv and also write 10 lines about it.

