

## Vacation Homework for class IX

- प्र०१ एकपदेन उत्तरत -

- (क) एकः पुरुषः काशिशः सेतुनिर्माण-प्रयासं करोति स्म ?
- (ख) जगति केषाम् अभावः न अस्ति ?
- (ग) सर्वं कार्यं केन सिद्धं भवति ?
- (घ) सिक्ता कुत्र नस्थास्यति ?
- (ङ) नरः किं विना वैदुष्यम् न प्राप्नोति ?
- (च) तपोधतः विद्याध्ययनार्थं कुत्र राहति ?

प्र०२ पूर्णवाक्येन उत्तरत -

- (क) सा मूढः किं कर्तुं प्रयत्नते ?
- (ख) कल्लोलोद्धतलनस्य ह्वनिः श्रुत्वा तपोधनः किम् अचिन्तयत् ?
- (ग) पुरुषः कस्मिन् न विश्वसिति ?
- (घ) तपोधनः कथं विद्यां वशीकर्तुम् प्रयत्नते ?

## Holiday Homework

### English, class IX

Que 1. Complete the following sentences using the correct form of the verb in the bracket.

(i) The historical monument \_\_\_\_\_ (build) thousands of years ago.

(ii) Mohan received a letter \_\_\_\_\_ (write) by his friend after 10 days.

(iii) The money \_\_\_\_\_ (steal) by the servant of Mr. Gupta.

IV Seema's marriage outfit \_\_\_\_\_ (design) by the famous designer Ritu Beri.

V The largest way flyover \_\_\_\_\_ (construct) last month in Delhi.

Que 2. Write ten figures of speech (literary terms) with example.

Que 3. Make a list of three to five persons you idolise, or admire very much for their achievements. Your idols may be from any sphere of life - sports, medicine, media or art and culture.

Que 4. W. \_\_\_\_\_ is the main idea of the poem 'The Road not taken'?

- Que 5. Change the following into indirect speech.
- (i) My father said, "India got its freedom in 1947."
  - (ii) Niharika said, "May God help you."
  - (iii) Tuni asked, "Where is the book?"
  - (iv) She said to him, "Don't touch my books."

Que 6. What two 'important' and 'earth shaking' decisions did the doctor take while he was looking into the mirror?

Que 7. Who were Abdul Kalam's school friends? What did they <sup>later</sup> become?

Que 8. Do you think Innisfree is only a place, or a state of mind? Does the poet actually miss the place of his boyhood days?

Que 9. You received a telephone call from the principal of your school informing you that you have topped the list of successful candidates of your town. Write a diary entry in about 100-150 words describing how you spent the day after getting that great news.

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Holiday Home work

Class : IX Science

Short question Ans.

1. State universal law of gravitation. Write its mathematical form.
2. If an object is falling freely, calculate its acceleration due to gravity on the Earth's surface.
3. Write the full form of following  
(a) AIDS (b) HIV (c) BCG (d) DPT  
(e) MMR (f) SARS
4. Define the term "Health" and "Disease"
5. How many atoms are present in  
(a)  $H_2S$  (b)  $(NH_4)_2SO_4$  (c)  $CaCO_3$

Calculate molecular formula mass of each compound  
[Ca = 40 N = 14 S = 32 C = 12 O = 16 H = 1]

6. Make a list of  
(a) Monovalent cation and Anion  
(b) Divalent cation and Anion  
(c) Trivalent cation and Anion.

Long question Answer

1. Briefly explain Newton's 2nd law of motion. Using this law obtain  $F = ma$

2. What is law of conservation of momentum? prove that  $m_1u_1 + m_2u_2 = m_1v_1 + m_2v_2$ .

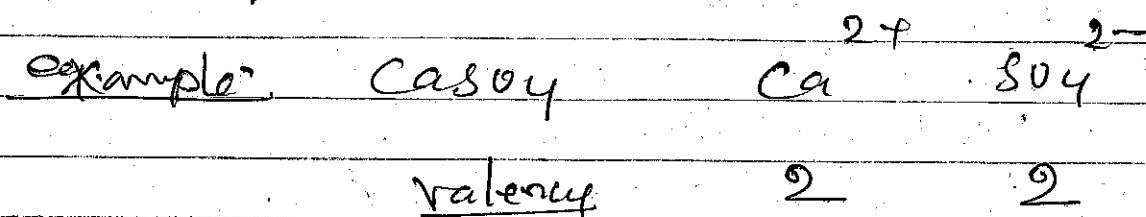
3. Differentiate between the following  
(a) Infectious disease and Non-infectious  
(b) Acute and chronic disease.

4. What are the main causes of diseases we found in our society?

5. (a) Write the postulates of Dalton's atomic theory

(b) Which two postulates also verify the law of chemical combination?

6. Write the valency of each atom / Ion / Radicals



(i)  $Na_2SO_4$  (ii)  $K_2CO_3$  (iii)  $Pb(OH)_2$   
(iv)  $K_3PO_4$  (v)  $ZnCl_2$  (vi)  $Na_2O$

# Holiday Homework

Class - IX

Sub! - S.S.T

## type Question - Answer

Q. do you mean by the term weather and climate?

A. Jaipur is cooler than Ludhiana. Give reason.

Q. What was the effect of forest Act on the people living nearby?

Q. do you mean by the reserved forests?

A. Constitution of India has made necessary provisions for ensuring independence of judiciary. Justify your answer by giving two reasons.

Q. What are Poverty and Poverty line?

## type Question - Answers.

Q. What is monsoon? which are the two branches of S.W monsoon?

Q. Give any three characteristics of monsoon?

Q. What are the main factors responsible for the reduction of Poverty in the following states

(i) Punjab (ii) Kerala (iii) West Bengal (iv) Tamil Nadu

Q. List the major powers and functions of the Parliament.

Q. Why did commercial forestry become important during the British Rule?

लघु उत्तरीय प्रश्न :-

1. सालिम अली ने पर्यावरण संरक्षण के लिए किस रूप में भूमिका निभाई?
2. कवि ने कौयल के स्वर को शंखनाद क्यों कहा है?
3. प्रेमचंद सहज जीवन में विश्वास रखते थे - सिद्ध कीजिए।
4. 'ग्राम स्त्री' कविता में विपिन गाँव के सौंदर्य का वर्णन अपने शब्दों में कीजिए।
5. शोबिरोंगी तितालियाँ किस प्रकार सुशोभित हो रही थी?
6. लॉरेस के बारे में अधिक कौन जानता था? इससे लॉरेस के किस गुण का पता चलता है?

दीर्घ उत्तरीय प्रश्न :-

1. मीनू डॉक्टर बनना चाहती है और रीना अध्यापिका। दोनों के बीच हुआ संवाद लिखिए।
2. अपने क्षेत्र में बिजली संकट से उत्पन्न कठिनाइयों का वर्णन करते हुए किसी दैनिक पत्र के संपादक को पत्र लिखिए।
3. निम्नलिखित विचार-बिंदुओं के आधार पर एक निबंध लिखिए -  
मीक इन इंडिया - रूपरेखा :- वर्तमान स्थिति, 'मीक इन इंडिया' कार्यक्रम, रूपरेखा एवं योजना, उद्देश्य, लाभ एवं परिवर्तन,
4. निम्नलिखित संकेत बिंदुओं के आधार पर एक लघु कथा लिखिए।  
कमल पढ़ने में कमजोर था - - - - - अध्यापक ने उसको अभ्यास - - - - -  
कमल पाठों को बार-बार दोहराता - - - - - अगली परीक्षा में - - - - -  
कमल ने अध्यापक का आभार - - - - -

## Holiday Home Work.

Class IX

Subject - Maths.

Chapter (i) HERON'S formula. (ii) Surface Area & Volume

### Short Answer type questions

- Q(1) If total surface area of a cube is  $216 \text{ cm}^2$ .  
find its edge?
- Q(2) If dimensions of a cuboid are  $7 \text{ cm}$ ,  $4 \text{ cm}$ ,  $2 \text{ cm}$ .  
find its curved surface area?
- Q(3) If diameter and height of a cylinder are  
 $14 \text{ cm}$  and  $10 \text{ cm}$  respectively. find its curved surface  
area?
- Q(4) If the sides of a triangle are in  $12:17:25$   
ratio and its perimeter is  $540 \text{ cm}$ . find its  
measure of sides?

### Long Answer type questions.

- Q(1) Find the area of a triangle, two sides  
of which are  $8 \text{ cm}$  and  $11 \text{ cm}$ , and the  
perimeter is  $32 \text{ cm}$ .
- Q(2) An isosceles triangle has perimeter  $30 \text{ cm}$ .  
and each of the equal sides is  $12 \text{ cm}$ . Find  
the area of triangle.
- Q(3) The sides of a triangular plot are in the  
ratio  $3:5:7$  and its perimeter is  $300 \text{ m}$ .  
find its area?



Q(4) The diameter of a roller is 84 cm and its length is 120 cm. It takes 500 complete revolutions to move once over to level a playground. Find the area of playground?

Q(5) Find (i) The curved surface area of a closed cylindrical petrol storage tank, that is 4.2 m in diameter and 4.5 m high.

(ii) How much steel was actually used if  $\frac{1}{2}$  of the steel actually used was wasted in making the tank.

Q(6) Find the area of triangle whose sides are 42 cm, 34 cm and 20 cm in length. Hence find the length of the altitude corresponding to the longest side.

Sub/Teacher - Narayan Lal Saha

# HOLIDAY HOMEWORK.

Class: IX

Date \_\_\_/\_\_\_/\_\_\_

Sub: Inf. Tech.



## 1. Short answer type questions:

- a) Define the terms Primary Memory and Secondary Memory.
- b) What is Cache Memory?
- c) Explain in brief:
  - (i) Assembler
  - (ii) Interpreter
  - (iii) Compiler
- d) What is Kernel and Device Driver.
- e) Explain POST (Power On Self Test)
- f) Define 'Booting' and 'Data Bus'.

## 2. Long answer type questions:

- a) Explain functional elements of a CPU with a neat diagram.
- b) What are ports? Explain any four types of ports.
- c) Explain about different types of Printer.
- d) Explain different types of Application Software.

## Holiday Homework

Class - IX

Sub! - S.S.T

### Short type Question - Answer

- Q1) What do you mean by the term weather and climate?
- Q2) Shimla is cooler than Ludhiana. Give reason.
- Q3) What was the effect of forest Act on the people living nearby?
- Q4) What do you mean by the reserved forests?
- Q5) The constitution of India has made necessary provisions for ensuring independence of judiciary. Justify your answer by giving two reasons.
- Q6) What are Poverty and Poverty line?

### Long type Question - Answers

- Q7) What is monsoon? Which are the two branches of S.W monsoon? Mention any three characteristics of monsoon?
- Q8) Which are the main factors responsible for the reduction of Poverty in the following states  
(i) Punjab (ii) Kerala (iii) West Bengal (iv) Tamil Nadu
- Q9) Explain the major powers and functions of the Parliament.
- Q10) Why did commercial forestry become important during the British Rule?