

**ENGLISH LANGUAGE AND LITERATURE**  
**CLASS IX**  
**HOLIDAY HOMEWORK FOR WINTER BREAK**

1. He following open ended stories...
  - a. Once it was very painful situation for Raghav when he took admission in Post-Graduation course. He couldn't find himself comfortable in new collage. He was worried about whether he would get any friend but the situation changed after a week and .....
  - b. When I stated T. V. Set the match was on exciting stage and it was very thrilling moment. My favourite team was playing its last qualifier of PKL 24. Unfortunately it was on back foot. I was just praying for my team.....
2. Practise online grammar practice and keep record of result in soft copy.  
<https://www.englishgrammar.org/tenses-exercise>  
Also write the solve exercise in your copy.
3. Make your own phrasal verb dictionary on the lessons prescribed in the syllabus.

नवमी शीत अवकाश गृह कार्य (हिंदी )

1. प्रदूषण की समस्या विषय पर दो मित्रों के बीच संवाद लिखिए
2. स्वच्छता अभियान पर हुई बातचीत को संवाद के रूप में लिखिए
3. योग एवं व्यायाम का महत्व समझाते हुए अपने छोटे भाई अथवा छोटी बहन को पत्र लिखिए
4. मेरी अविस्मरणीय यात्रा विषय पर लगभग 120 शब्दों में अनुच्छेद लिखिए.
5. पोर्टफोलियो पूर्ण करें .

शीतकालीन अवकाश गृहकार्य- कक्षा नवमी।

विषय-संस्कृत

धातुरूपानि पञ्चलकारेषु लिखत। (भू, नम्, गम्, अस्, प्रच्छ,

कृ, ज्ञा, नी, लभ, सेव, रुच।

**Winter Holiday Homework**

**Subject-Biology**

**Class-9th**

- 1) How is Prokaryotic cell is different from Eukaryotic cell?  
Draw neat and well labelled diagram of Prokaryotic cell?
- 2) What is a cell made up of? What is the structural organization of cell?
- 3) Differentiate between parenchyma, Collenchyma and sclerenchyma.

- 4) What does a neuron look like?  
5) Which method is commonly used for improving cattle breeding and Why?  
6) Why should preventive measures and biological control methods be proffered for protecting crops?

#### WINTER BREAK HOMEWORK

CLASS IX

SUBJECT: CHEMISTRY

- Q1) Draw the atomic structure of the first eighteen elements.  
Q2) Write down symbol of first 18 elements, atomic number, number of protons, number of electrons, number of neutrons, distribution of electrons in K, L, M, N shell and valency.

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MATH WINTER BREAK HOME ASSIGNMENT CLASS IX

- Q1 How much ice-cream can be put into a cone with base radius 3.5 cm and height 12 cm?  
Q2 If a wooden box of dimensions 8 m x 7 m x 6 m is to carry boxes of dimensions 8 cm x 7 cm x 6 cm, then find the maximum number of boxes that can be carried in the wooden box.  
Q3 Two cubes of edge 6 cm are joined to form a cuboid. Find the total surface area of the cuboid.  
Q4 Calculate the edge of the cube if its volume is  $1331 \text{ cm}^3$ .  
Q5 If in a cylinder, radius is doubled and height is halved, then find its curved surface area.  
Q6 Fill in the blanks.  
(i) The centre of a circle lies in \_\_\_\_ of the circle. (exterior/interior)  
(ii) A point, whose distance from the centre of a circle is greater than its radius lies in \_\_\_\_ of the circle, (exterior/interior)  
(iii) The longest chord of a circle is a \_\_\_\_ of the circle.  
(iv) An arc is a \_\_\_\_ when its ends are the ends of a diameter.  
(v) Segment of a circle is the region between an arc and \_\_\_\_ of the circle.  
(vi) A circle divides the plane, on which it lies, in \_\_\_\_ parts.  
Q7 Write True or False. Give reason for your answers.  
(i) Line segment joining the centre to any point on the circle is a , radius of the circle.  
(ii) A circle has only finite number of equal chords.  
(iii) If a circle is divided into three equal arcs, each is a major arc.  
(iv) A chord of a circle, which is twice as long as its radius, is a diameter of the circle.  
(v) Sector is the region between the chord and its corresponding arc.  
(vi) A circle is a plane figure.  
Q8 Recall that two circles are congruent, if they have the same radii. Prove that equal chords of congruent circles subtend equal angles at their centres  
Q9. If two equal chords of a circle intersect within the circle; prove that the segments of one chord are equal to corresponding segments of the other chord.

Also

Complete two activities given separately in lab activity book.

#### SOCIAL SCIENCE

- I. Write short note ( 150 words)

1. Parliament

II. Explain the features of the global poverty scenario

III. Read the newspaper and find out the latest parliamentary discussion news on  
\*constitution

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IV. Map pointing: India Outline political map

a. Most Populated state

b. Least populated state

c. Highest sex ratio having state

d. Most population density having state

e. Lowest population density having state

V. Do prac

## PHYSICS

1. Write short note on

A) Kinetic energy

B) Potential energy

C) Law of conservation of energy

2. What is work and what is the physical significance of work?

3. What is universal law of gravitation? Using this describe acceleration due to gravity and equation of motion under gravity.

4. Prove equation of motion by graphical and mathematical method.

tice of questions and answers for PT-3 upcoming exam.