

KENDRIYA VIDYALAYA LUNGLEI
WINTER HOLIDAY HOMEWORK (2018-2019)
CLASS – IX

SUB- SST

File work

1. How does delhi receive more rainfall than jodhpur ? Explain
2. Define ' kaalBaisakhi" and ' Mango Showers' ?
3. In what manner does the election commission monitor the election campaign ? Explain
4. How can you say that elections in India are free fair and democratic ? Explain
5. What is the importance of civil servants in running the goverment ? Explain
6. In what ways does the Loksabha more powers than the Rajyasabha ? Explain
7. Make one project on climate change.

SUB- Maths

- 1) Prove that equal chords of a circle subtend equal angles at the centre .
- 2) If two equal chords of a circle intersect within the circle, prove that the segments of one chord are equal to corresponding segment of the other chord .
- 3) Construct a triangle XYZ in which $\angle Y = 60^\circ$, $\angle Z = 45^\circ$ and $XY + YZ + ZX = 11$ cm.
- 4) The length , breadth and height of the room are 5m ,4m, and 3m respectively .find the cost of white washing the walls of the room and the ceiling at the rate of Rs 7.50 per m^2 .
- 5) A jokers cap is in the form of a right circular cone of base radius 7cm and height 24 cm .Find the area of the sheet required to make 10 such cap .
- 6) A cubical box has edge 10cm and another cuboidal box is 12.5cm long ,10 cm wide and 8cm high.i)which box has the greater lateral surface area and by how much ?
ii)which box has the smaller total surface area and by how much?
- 7) A cylindrical pillar is 50cm in diameter and 3.5m in height .Find the cost of painting the curved surface area of the pillar at the rate of \$12.50
- 8) Curved surface area of a right circular cylinder is $4.4 m^2$.If the radius of the base of the cylinder is 0.7m ,find the height.
- 9) The circumference of the base of the cylindrical vessel is 132 cm and its height is 25 cm .
How many litres of water can it hold?
- 10) If the lateral surface area of the cylinder is $94.2cm^2$ and its height is 5cm ,then find i) radius of its base ii) its volume .
- 11) The volume of a right circular cone is $9856 cm^3$,If the diameter of the base is 28cm find
 - i) Height of the cone
 - ii) Slant height of the cone
 - iii) Curved surface area of the cone
- 12) If the diagonals of a cyclic quadrilateral are diameters of the circle pass through the vertices of the quadrilateral ,prove that it is a rectangle.
- 13) Prove that the cyclic parallelogram is a rectangle .

14) The following observations have been arranged in ascending order. If the median of the data is 63, find the value of x .

29 32 48 50 x $x+2$ 72 78 84 95

SUB-SCIENCE

1. Contrast the differences between proton, electron and neutron.
2. An electric bulb of 60W is used for 6h per day. Calculate the units of energy consumed in one day by the bulb.
3. What are the limitations of Rutherford's model of atom.
4. Na^+ has completely filled K and L shells. Explain.
5. A pair of bullocks exerts a force of 140N on a plough. The field being ploughed is 15m long. How much work is done in ploughing the length of the field.
6. Find the energy possessed by an object of mass 10kg when it is at a height of 6m above the ground. Given $g=9.8\text{ms}^{-1}$.
7. Define work done? A force of 7N acts on an object. The displacement is 8m, in direction of the force. What is the work done in this case.
8. Write the preventive measures for suffering from diseases? What treatment should be taken in case of suffering from diarrhea.
9. What are the different means by which infectious diseases spread.
10. Two girls, each of weight 400N climb up a rope through a height of 8m. One of the girls named as A and the other as B. Girl A takes 20s while B takes 50s to accomplish this task. What is the power expended by each girl.
11. Describe Bohr's model of an atom.
12. If Bromine atom is available in the form of two isotopes $^{79}\text{Br}_{35}$ (49.7%) and $^{81}\text{Br}_{35}$ (50.3%). Calculate the average atomic mass of Bromine atom.
13. The average atomic mass of a sample of an element X is 16.2u. What are the percentages of isotopes $^{16}\text{X}_8$ and $^{18}\text{X}_8$ in the sample.

SUB-GAME

1. Write down the technique of jumping events (long jump and high jump)
2. List down the characteristic of growth and development in boys and girls in adolescence age.

SUB-COMPUTER

Q1. Write and Learn 5 multiple questions, fill in the blank, true or false and Match the following from the chapter that we have learnt.

Q2. Learn all the questions and answers from the Chapter that we have learnt.

Q3. Write the main features of word processing software and explain the different formats of MS word

SUB- HINDI

HINDI

शरदकालीन अवकाश गृहकार्य

कक्षा- नौवीं (अ, ब)

विषय- हिन्दी

प्रश्न1) अर्धवार्षिक परीक्षा प्रश्न पत्र हल कीजिए।
प्र०-1 प्रत्येक पाठ के 3-3 प्रश्न उत्तर प्रतिदिन दिनांक 23 से 13 जनवरी तक
प्रश्न2) अलंकार तथा भेदों की परिभाषा उदाहरण सहित लिखिए।
अव्यय लिखें।
प्रत्येक अलंकार के दो-दो उदाहरण लिखिए।
ⓐ अपने माता से पता लिखो

प्रश्न3) समास तथा उनके भेदों की परिभाषा लिखिए।
प्रत्येक समास के पाँच-पाँच उदाहरण लिखिए।

प्रश्न4) कक्षा में पढ़ाए गए सभी पाठों के प्रश्नों के उत्तर याद करिए।

प्रश्न5) पूरे पुस्तक कृतिका से पाठ रीढ़ की हड्डी पढ़कर प्रश्नों के उत्तर लिखिए।
प्र०-1 स्वच्छ भारत अभियान पर निबंध लिखिए।