

**KENDRIYA VIDYALAYA RRL JORHAT**  
**WINTER BREAK HOMEWORK**  
**CLASS- VIII SUB – SANSKRIT**

1. शब्दरूपाणि लिखत् – (नरः / अश्वः / लता / कुञ्चिका / फलम् / जलम् / नदी / मति)
  2. धातुरूपाणि लिखत् (लट् / लोट् / लृट्-लकार )  
(गम् / लिख् / भू )
  3. निबन्धः लिखत् – (विद्याधनम्- महानधनम् / संस्कृतभाषायां महत्त्वम् )
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**CLASS- VIII SUB – HINDI**

- प्रश्न-1. अकबरी लोटा पाठ पढ़िए और उससे 10 बहुविकल्पीय प्रश्न बनाकर हल कीजिए
- प्रश्न -2 सब्जी के दुकानदार और पड़ोस की चाची के बीच संवाद लिखिए
- प्रश्न -3 अपनी पहली यात्रा का अनुभव लिखिए
- प्रश्न -4 'नदियों का मानव जीवन में महत्व' पर निबंध लिखिए
- प्रश्न -5 अपने घर या पास पड़ोस के किसी बुजुर्ग से बात कीजिए और पता कीजिए कि उस समय समाज कैसा था और आजकल के समाज में क्या बदलाव आया है |
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**CLASS- VIII SUB – SCIENCE**

1. Sometimes, a crackling sound is heard while taking off a sweater during winters. Explain.
2. Explain why a charged body loses its charge if we touch it with our hand.
3. Name the scale on which the destructive energy of an earthquake is measured. An earthquake measures 3 on this scale. Would it be recorded by a seismograph? Is it likely to cause much damage?
4. Suggest three measures to protect ourselves from lightning.
5. Explain why a charged balloon is repelled by another charged balloon whereas an uncharged balloon is attracted by another charged balloon?
6. Describe with the help of a diagram an instrument which can be used to detect a charged body.
7. List three states in India where earthquakes are more likely to strike.
8. Suppose you are outside your home and an earthquake strikes. What precaution would you take to protect yourself?
9. The weather department has predicted that a thunderstorm is likely to occur on a certain day. Suppose you have to go out on that day. Would you carry an umbrella? Explain.

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**CLASS- VIII SUB – SOCIAL SCIENCE**

**Answer the following questions:-**

1. The students should make a project on the importance of social reformers in India. They should highlight their efforts and engagement for removing social evils.
  2. What are the classification of industries. Explain.
  3. What did James Mill and Thomas Macaulay think that European education was essential in India?
  4. What is D.K. Bashu guidelines. Write all the points of guidelines.
  5. What are the guidelines that the police must follow in the performance of their functions?
  6. On the outline map of India mark and locate the following  
1. Manchester of India 2. Silicon valley of India 3. the first mechanized textile mill in India 4. Calicut 5. Pondicherry.
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**CLASS- VIII SUB – MATHS**

Q1. Find the value of  $(4^0 + 4^{-1}) \times 2^2$

Q2. Solve  $3^{-4}$  and  $(\frac{1}{2})^{-2}$

Q3. Express 0.0000000837 in standard form.

Q4. Simplify  $[25 \times t^{-4}] / [5^{-3} \times 10 \times t^{-8}]$

Q5. Expand the following using exponents.

(i) 0.0523

(ii) 32.005

Q6. Find the value of k if  $(-2)^{k+1} \times (-2)^3 = (-2)^7$

Q7. Find the value of  $(2^{11} + 6^2 - 5)^0$

Q8. Simplify and express the result in power notation with positive exponent.

(i)  $(-2)^5 \div (-2)^4$

(ii)  $(\frac{1}{2})^2 \times (\frac{2}{5})^2$

(iii)  $(-5)^2 \times (\frac{3}{5})$

Q9. Very small numbers can be expressed in standard form using negative exponents.

(i)  $a^p \times b^q = (ab)^{pq}$

(iii)  $.00567 = 5.67 \times 10^{-3}$

Q10. Fill in the blank

(i) The multiplicative inverse of  $(3)^{-2}(3)^{-2}$  is \_\_\_\_\_

(ii)  $97 \times 3 - 297 \times 3 - 2 =$  \_\_\_\_\_

(iii) .0000067 in exponent form \_\_\_\_\_

(iv) Very large numbers can be expressed in standard form by using \_\_\_\_\_ exponents.

Q11. The length and breadth of a rectangle are 10 cm and 8 cm respectively. Find its perimeter if the length and breadth are (i) doubled (ii) halved.

Q12. The length and breadth of a rectangle are in the ratio 4 : 3. If its perimeter is 154 cm, find its length and breadth.

Q13. If the side of a square is doubled then how much time its area becomes?

Q14. The volume of a box is  $13400 \text{ cm}^3$ . The area of its base is  $670 \text{ cm}^2$ . Find the height of the box.

Q15. Two cubes are joined end to end. Find the volume of the resulting cuboid, if each side of the cubes is 6 cm.

Q16. 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 the playground in  $\text{m}^2$ .

Q17.  $160 \text{ m}^3$  of water is to be used to irrigate a rectangular field whose area is  $800 \text{ m}^2$ . What will be the height of the water level in the field?

Q18. A rectangular sheet of paper is having measures  $11 \text{ cm} \times 4 \text{ cm}$ . It is folded without overlapping to make a cylinder of height 4 cm. Find the volume of the cylinder.

Q19. Find the height of a cuboid whose base area is  $180 \text{ cm}^2$  and volume is  $900 \text{ cm}^3$ .

**Q20. A cuboidal box of dimensions  $1 \text{ m} \times 2 \text{ m} \times 1.5 \text{ m}$  is to be painted except its bottom. Calculate how much area of the box has to be painted.**

**Q21. A square and a rectangle have the same perimeter. Calculate the area of the rectangle if the side of the square is 60 cm and the length of the rectangle is 80 cm.**

**Q22.** The surface area of a cuboid of length  $l$ , breadth  $b$  and height  $h$  is

(a)  $lbh$

(b)  $lb + bh + hl$

(c)  $2(lb + bh + hl)$

(d)  $2(l + b)h$ .

Q23. The surface area of a cube of edge  $a$  is

(a)  $4a^2$

(b)  $6a^2$

(c)  $3a^2$

(d)  $a^2$ .

Q24. The total surface area of a cylinder of base radius  $r$  and height  $h$  is

(a)  $2\pi r(r + h)$

(b)  $\pi r(r + h)$

(c)  $2\pi rh$

(d)  $2\pi r^2$ .

Q25. The volume of a cylinder of base radius  $r$  and height  $h$  is

(a)  $2\pi rh$

(b)  $\pi r^2h$

(c)  $2\pi r(r + h)$

(d)  $13 \pi r^2h$ .

Q26.  $1 \text{ m}^3 =$

- (a) 1 L
- (b) 10 L
- (c) 100 L
- (d) 1000 L.

Q27. The floor of a room is a square of side 6 m. Its height is 4 m. The volume of the room is

- (a)  $140 \text{ m}^3$
- (b)  $142 \text{ m}^3$
- (c)  $144 \text{ m}^3$
- (d)  $145 \text{ m}^3$

Q28 A glass in the form of a right circular cylinder is half full of water. Its base radius is 3 cm and height is 8 cm. The volume of water is

- (a)  $18\pi \text{ cm}^3$
- (b)  $36\pi \text{ cm}^3$
- (c)  $9\pi \text{ cm}^3$
- (d)  $36 \text{ cm}^3$

Q29. The base radius and height of a right circular cylinder are 5 cm and 10 cm. Its total surface area is

- (a)  $150\pi \text{ cm}^2$
- (b)  $300\pi \text{ cm}^2$
- (c)  $150 \text{ cm}^2$
- (d)  $300 \text{ cm}^2$

Q30. If the length and breadth of a rectangle are 10 cm and 5 cm, respectively, then its area is:

- (a) 100 sq.cm
- (b) 150 sq.cm
- (c) 115 sq.cm
- (d) 200 sq.cm

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**CLASS- VIII SUB – ENGLISH**

1. Listen to a music programme on Radio or T.V. and write short description of the performance.
  2. Interview your parents and grandparents to find out about the things / activities they used to do when they were your age. Express the activities which no longer exist. Such as leisure time activities, games, customs practices, work done etc. Make a video of the interview (*2 Minutes of duration*). Your interview must have a lot of details for the viewers to understand the yesteryears clearly.
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