KENDRIYA VIDYALAYA NUBRA

WINTER VACATION HOMEWORK

Class 8 Subject-English

Q1.Write message/ theme of the story in your own words.

"How the camel got his Hump"

Q2.What would you do if you were in the place of the narrator"The Best Christmas Present in the world".

Q3.Write central idea of the poem"The Ant and the cricket".

Q4.Draft a diary entry about your experience to be The narrator of the best Christmas Present in the world.

Q5.Read the English newspaper and find out 10 new verb also write it's past form & past participle.

Q6.Read one page daily by heart from prescribed prose & fiction to enrich your fluency & reading habit.Make a 1 minute audio from each reading & listion again to enrich your listening habits.submit the best 5 same.

Q7 Solve the given CCT paper carefully to comprehend the text and develop your creative and critical ability.(sent separately)

Q8.Prepare innovative projects based on social values to strengthen the nation.

केंद्रीय विद्यालय नुब्रा

शीतकालीन गृहकार्य

कक्षा - 8   विषय - हिन्दी

1. Term –2 का MDP project पूरा करें।

2. Term - 2 के पाठों का learner's dairy पूर्ण करें।

3. 'बेटी बचाओ बेटी पढ़ाओ'   विषय पर एक अनुच्छेद लिखिए।

4. "भारतीय स्वतंत्रता संग्राम में महिलाओं का भी बहुत बड़ा योगदान रहा ।"   किन्ही दो महिलाओं के बारे में सचित्र वर्णन करिए।

5. अपनी किसी प्रिय पुस्तक पर एक अनुच्छेद लिखिए।

केंद्रीय विद्यालय नुब्रा

शीतकालीन गृहकार्य

कक्षा - 8   विषय – संस्कृत

1.   Term –2 का MDP project पूरा करें।

2.   learner's dairy पूर्ण करें।

3.   "विद्या" विषय को लेकर पांच श्लोक अर्थ सहित लिखिए।(हिंदी में विद्या या ज्ञान पर कविता लिखिए)

4. अर्धवार्षिक परीक्षा का प्रश्न पत्र विस्तार से note book में हल करिए।

5. वाट्सअप की 20 emojis बनाकर उनका नाम हिंदी व संस्कृत में लिखिए।

KENDRIYA VIDYALAYA NUBRA

WINTER VACATION HOMEWORK

Class 8 Subject – SST

Revise the chapters 7,8,9,10 by writing on the holiday homework copy of each subject History, Geography and Civics

Prepare multidisciplinary project and learner's dairy of second term.

Solve the at least two sample question papers of each subject of social science given on CBSE website

HOLIDAY HOMEWORK WINTER VACATION KV NUBRA

CLASS 8 MATHS

1. Draw the front view, side view and top view of the given objects:
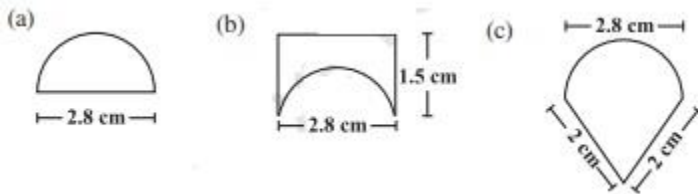

2. Can a polyhedron have for its faces:

    a. (i) 3 Triangles?

    b. (ii) 4 triangles?

    c. (iii) A square and four triangles?

3. (i) How are prisms and cylinders alike?

    (ii) How are pyramids and cones alike?

4. Can a polyhedron have 10 faces, 20 edges and 15 vertices?

5. A flooring tile has the shape of a parallelogram whose base is 24 cm and the corresponding height is 10 cm. How many such tiles are required to cover a floor of area 1080 m^2? [If required you can split the tiles in whatever way you want to fill up the corners]

6. An ant is moving around a few food pieces of different shapes scattered on the floor. For which food-piece would the ant have to take a longer round? Remember, circumference of a circle can be obtained by using the expression C = 2πr ,where r is the radius of the circle.

7. Find the area of a rhombus whose side is 5 cm and whose altitude is 4.8 cm. If one of the diagonals is 8 cm long, find the length of the other diagonal.

8. Top surface of a raised platform is in the shape of a regular octagon as shown in the figure. Find the area of the octagonal surface.

9. A suitcase with measures 80 cm x 48 cm x 24 cm is to be covered with a tarpaulin cloth. How many meters of tarpaulin of width 96 cm is required to cover 100 such suitcases?

10. A closed cylindrical tank of radius 7 m and height 3 m is made from a sheet of metal. How much sheet of metal is required?

11. 1. Evaluate:

(i) 3^{-2} (ii) $(-4)^{-2}$ (iii) $(1/2)^{-5}$

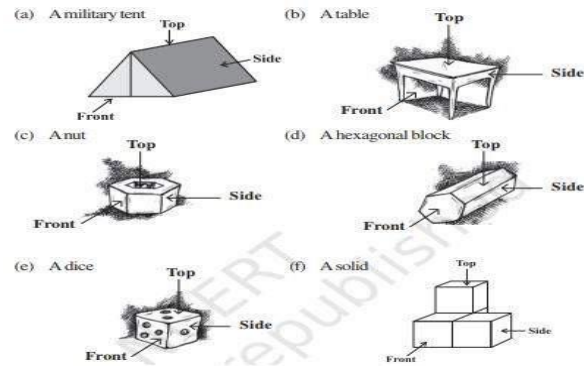12. Simplify and express the result in power notation with a positive exponent:

(i) $(-4)^4 \div (-4)^8$ (ii) $(1/2^3)^2$ (iii) $-(3)^4 \times (5/3)^4$

13. Express the following numbers in standard form. (i) 0.0000000000085 (ii) 0.00000000000942 (iii) 6020000000000000 (iv) 0.00000000837 (v) 31860000000

14. Express the number appearing in the following statements in standard form.

    (i) 1 micron is equal to 1/1000000 m.
    (ii) Charge of an electron is 0.000, 000, 000, 000, 000, 000, 16 coulomb.
    (iii) Size of bacteria is 0.0000005 m

15. In a stack, there are 5 books, each having a thickness of 20 mm and 5 paper sheets, each having a thickness of 0.016 mm. What is the total thickness of the stack?

16. A mixture of paint is prepared by mixing 1 part of red pigments with 8 parts of base. In the following table, find the parts of base that need to be added.

Parts of red pigment	1	4	7	12	20
Parts of base	8	----	----	----	----

17. In Question 2 above, if 1 part of a red pigment requires 75 mL of base, how much red pigment should we mix with 1800 mL of base?

18. **A machine in a soft drink factory fills 840 bottles in six hours. How many bottles will it fill in five hours?**

19. **In a Television game show, the prize money of Rs.1,00,000 is to be divided equally amongst the winners. Complete the following table and find whether the prize money given to an individual winner is directly or inversely proportional to the number of winners:**

No. of winners	1	2	4	5	8	10	20
Prize for each winner (in Rs)	1,00,000	50,000	----	----	----	----	----

20. If a box of sweets is divided among 24 children, they will get 5 sweets each. How many would each get, if the number of the children is reduced by 4?

21. . Find the common factors of the given terms.

   a. (i) 12x, 36 (ii) 2y, 22xy (iii) 14 pq, 28p^{2}q^2 (iv) 2x, 3x^2, 4

   b. (v) 6 abc, 24ab^2, 12a^2 (vi) 16 x^3, − 4x^2 , 32 x (vii) 10 pq, 20qr, 30 rp (viii) 3x^{2}y^3 , 10x^{3}y^2 , 6x^{2}y^{2}z

22. **Factorise the following expressions**

   a. (i) 7x−42

   b. (ii) 6p−12q

   c. (iii) 7a^2+ 14a

   d. (iv) -16z+20 z^3

23. **Factorise.**

   a. (i) x^2+xy+8x+8y

   b. (ii) 15xy−6x+5y−2
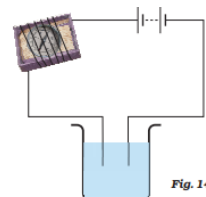
24. **Factorise. (ii) q^2−10q+2(iii) p^2+6p−16**

   a. (i) (y^2+7y+10)÷(y+5)

   b. (ii) (m^2−14m−32)÷(m+2)

   c. (iii) (5p^2−25p+20)÷(p−1)

   d. (iv) 4yz(z^2+6z−16)÷2y(z+8)

21. $\dfrac{7x+5}{5} = 7x$

HOLIDAY HOMEWORK WINTER VACATION KV NUBRA

CLASS 8 SCIENCE

1. **Give two examples each of situations in which you push or pull to change the state of motion of objects.**

2. **Fill in the blanks in the following statements.**
    a. **(a) To draw water from a well, we have to _____ at the rope.**
    b. **(b) A charged body _____ an uncharged body towards it.**
    c. **(c) To move a loaded trolley, we have to _____ it.**
    d. **(d) The north pole of a magnet _____the north pole of another magnet.**

3. **In the following situations, identify the agent exerting the force and the object on which it acts. State the effect of the force in each case.**
    a. **(a) Squeezing a piece of lemon between the fingers to extract its juice.**
    b. **(b) Taking out paste from a toothpaste tube.**
    c. **(c) A load suspended from a spring while its other end is on a hook fixed to a wall.**
    d. **(d) An athlete making a high jump to clear the bar at a certain height**

4. **A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket immediately after leaving the launching pad.**

5. **Fill in the blanks.**
    a. **(a) Friction opposes the _____ between the surfaces in contact with each other.**
    b. **(b) Friction depends on the _____ of surfaces.**
    c. **(c) Friction produces _____.**

6. **You spill a bucket of soapy water on a marble floor accidentally. Would it make it easier or more difficult for you to walk on the floor? Why?**

7. **Give examples to show that friction is both a friend and a foe.**

8. **Fill in the blanks with suitable words.**
    a. **(a) Time taken by an object to complete one oscillation is called _____.**
    b. **(b) Loudness is determined by the _____ of vibration.**
    c. **(c) The unit of frequency is _____**
    d. **(d) Unwanted sound is called _____ .**
    e. **(e) The shrillness of a sound is determined by the _____ of vibration.**

9. **The sound from a mosquito is produced when it vibrates its wings at an average rate of 500 vibrations per second. What is the time period of the vibration?**

10. **What is the difference between noise and music? Can music become noise sometimes?**

11. **Sketch larynx and explain its function in your own words.**

12. **Name three liquids, which when tested in the manner shown in Fig.14.9, may** **cause the magnetic needle to deflect.**

Fig. 14.9

13. In case of a fire, before the firemen use the water hoses, they shut off the main electrical supply for the area. Explain why they do this.

14. A child staying in a coastal region tests the drinking water and also the seawater with his tester. He finds that the compass needle deflects more in the case of seawater. Can you explain the reason?

15. Prepare a list of objects around you that are electroplated.

16. Write T against true and F against false in the following statements.

    a. (a) Like charges attract each other (T/F)

    b. (b) A charged glass rod attract a charged plastic straw (T/F)

    c. (c) Lightning conductor cannot protect a building from lightning (T/F)

    d. (d) Earthquakes can be predicted in advance (T/F)

17. Describe with the help of a diagram an instrument which can be used to detect a charged body.

18. List three states in India where earthquakes are more likely to strike.

19. Mention against each of the following whether regular or diffused reflection will take place when a beam of light strikes. Justify your answer in each case.

    a. (a) Polished wooden table

    b. (b) Chalk powder

    c. (c) Cardboard surface

    d. (d) Marble floor with water spread over it

    e. (e) Mirror

    f. (f) Piece of paper

20. Describe an activity to show that the incident ray, the reflected ray and the normal at the point of incidence lie in the same plane.

21. Fill in the blanks in the following.

    a. (a) A person 1 m in front of a plane mirror seems to be _____ m away from his image.

    b. (b) If you touch your _____ ear with right hand in front of a plane mirror it will be seen in the mirror that your right ear is touched with _____.

    c. (c) The size of the pupil becomes _____ when you see in dim light.

    d. (d) Night birds have _____ cones than rods in their eyes.

22. Describe the construction of a kaleidoscope. MAKE CHART OF IT

23. Draw a labelled sketch of the human eye.

24. Two mirrors meet at right angles. A ray of light is incident on one at an angle of 30° as shown in Fig. 16.19. Draw the reflected ray from the second mirror.
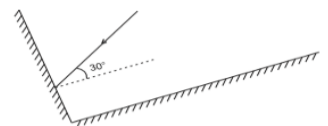

Fig. 16.19

25. Phases of the moon occur because

    a. (a) we can see only that part of the moon which reflects light towards us.

    b. (b) our distance from the moon keeps changing.

26. **Mark the following statements as true (T) or false (F).**

    a. **(a) Pole star is a member of the solar system. ( )**

    b. **(b) Mercury is the smallest planet of the solar system. ( )**

    c. **(c) Uranus is the farthest planet in the solar system. ( )**

27. **What is a constellation? Name any two constellations.**

28. **Draw sketches to show the relative positions of prominent stars in (a) Ursa Major and (b) Orion**

29. **The radius of Jupiter is 11 times the radius of the Earth. Calculate the ratio of the volumes of Jupiter and the Earth. How many Earths can Jupiter accommodate?**

30. **You are a member of the municipal body of your town. Make a list of measures that would help your town to ensure the supply of clean water to all its residents.**

31. **Explain the differences between pure air and polluted air.**

32. **Prepare a brief speech on global warming. You have to deliver the speech in your class.**