ODM PUBLIC SCHOOL

HOLIDAY HOME WORK

CLASS- STD-VIII

ENGLISH

1. Attempt a character sketch of shylock in 100-200 words.
2. Solve the Me n Mine Worksheets (Practice Paper-1 & Paper -2 Me n Mine) in book.
3. Write ten pages of handwriting with date mentioned at the top.
4. Write the rules of reported speech (direct and indirect) in exercise note book.

MATHS

1. Tick the correct alternative.

   (i) If the side of a square is doubled, its area will be.

   (a) Doubled (b) Halved (c) Four times (d) One-fourth

   (ii) The area (in m^2) of a square whose diagonal is 18m is

   (a) 12 (b) 81 (c) 648 (d) 324

   (iii) The area of a parallelogram is 56 dm^2. If its height is 70 cm, then its base will be.

   (a) 0.8 cm (b) 8 cm (c) 80 cm (d) 85 cm

   (iv) The area of which figure is given $\frac{1}{2} \times$ Product of diagonals?

   (a) Trapezium (b) Rhombus (c) Parallelogram (d) Kite

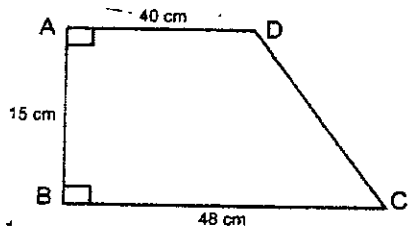
   (v) The parallel sides of a trapezium area 28 cm and 16 cm and its area is 220 cm^2. The distance between it parallel sides is.

   (a) 5 cm (b) 10 cm (c) 15 cm (d) 20 cm

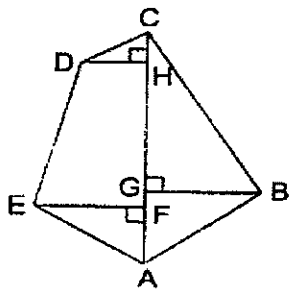
2. The area of square ABCD is 64 cm^2 . If P, Q, R and S are mid points of the sides DC, BC, AB and AD respectively, what will be the area of square PQRS?

3. The area of a trapezium is 180 sq.m and its height is 12m. If one of parallel sides is double the other, find the lengths of its parallel sides.

4. Find the area of ABCD.



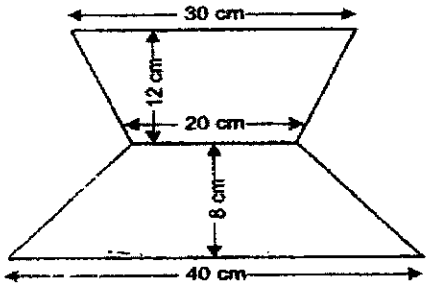
5. Find the area of polygon ABCDE where AF = 50 m, FG = 30 m, AH = 120 m, CH = 30 m, BG = 50 m, EF = 30 m and HD = 20 m.



6. The area of rhombus is equal to the area of a triangle with base 24.8 cm and altitude 16.5 cm. If one of the diagonal of the rhombus is 22 cm, find the other diagonal.

7. A hall is 16m long, 14 m wide and 10 m high. There are four windows 1.3 m X 1.4 m and two doors 2m X 1 m. Find the cost of white washing the walls at Rs. 10 per sq.m and painting the doors and windows at Rs.16 per sq.m.

8. Find the area enclosed of the following figure.



9. Find the area of a regular hexagon whose each side measures 10 cm.

10. Tick the correct alternative

(i) If an edge of a cube is doubled, then its surface area will become

(a) Twice (b) Thrice (c) ¼ times (d) Four times

(ii) The lateral surface area of a cubed measuring 5 cm X 4 cm X 2 cm is

(a) 36 cm^2 (b) 40 cm^2 (c) 70 cm^2 (d) 76 cm^2

(iii) The total surface area of a cylinder whose base radius is 3.5 cm and height 7 cm is

(a) 77 sq cm (b) 154 sq cm (c) 321 sq cm (d) 400 sq cm

(iv) Which of the following statement is true?

(a) All cuboids are cubes (b) All cubes are cuboids

(c) No cubed is cube (d) None of these is true

(v) A right circular cylinder of height 16 cm has lateral surface 704 cm2. Its radius is

(a) 4 cm (b) 3 cm (c) 8 cm (d) 7 cm

11. Find the total surface area of a cube whose edge measures 22m.

12. A room is 10 m X 8 m X 5 m. Find the area of its 4 walls and the floor.

13. Find the curved surface area and total surface area of right circular cylinder of height 15 cm and whose base radius is 7 cm.

14. The curved surface area of a right circular cylinder of height 14 cm is 88 cm^2. Find the diameter of the base of the cylinder.

15. A card board box from the top is 1.5m long. 1.25 m wide and 65 cm deep. Find the area of cardboard required for making the box and the cost of cardboard required at Rs. 25 per sq m.

16. A metal pipe is 77 cm long and its inner diameter of the cross section is 4 cm and the outer diameter is 4.8. Find its inner curved surface area and outer curved surface area.

17. A road roller takes 750 complete revolutions to move once over to leave a road. Find the area of the road if the diameter of road roller is 91 cm and length 1.25 m.

18. The lateral surface area of a hollow cylinder is 422 cm^2 . It is cut along its height and formed a rectangular sheet of width 48 cm. Find the perimeter of the rectangular sheet.

19. The surface area of a cuboid is 1372 cm^2. The dimensions of the cuboid area in the ratio 4:2:1. Find its dimensions.

20. Tick the correct alternative.

(i) The volume 1 cu cm is same as.

(a) 1 milliliter (b) 1 centilitre (c) 1 decilitre (d) 1 litre

(ii) When the edge of a cube is doubled its volume increases to

(a) 2 times (b) 4 times (c) 6 times (d) 8 times

(iii) The volume of a cube of edge 0.01 m (in cm^3) is

(a) 0.000001 (b) 1 (c) 0.0001 (d) 0.001

(iv) A cylindrical tank has a capacity of 6160 cm^3. If its radius is 14 cm, then its depth (in cm) is

(a) 5 (b) 10 (c) 15 (d) 50

(v) The radius of a right circular cylinder is doubled keeping its height same. The ratio between the volume of the new cylinder and the original cylinder is.

(a) 3:1 (b) 4:1 (c) 2:1 (d) 8:1

21. Find the volume of a cube whose surface area is 96 sq cm.

22. Find the height of a cuboid whose volume is 576 cu cm and whose base area is 72 sq cm.

23. Find the volume of a cube whose edge measures 4.5 dm.

24. A water tank is 3m X 2m X 1m. How many litres of water can it hold?

25. The dimensions of a cuboid are in the ratio 5:3:1 and its total surface area is 414 sq cm. Find its volume.

26. The base area of a 15 cm high right circular cylinder is 154 cm^2. Find its volume.

27. The radius and height of a right circular cylinder area in the ratio 5:7. If its volume is 550 m^3, find its radius.

28. The volume of a cube is 343 m^3. Find the length of its edge.

29. 500 people simultaneously took a dip in a rectangular tank 80 m X 50 m. What is the rise in the level of water in the tank if average volume of water displaced by one person is 0.04 m^3?

30. How many cubic metres of earth must be dug out to sink a well 7m deep and radius 5m?

31. A rectangular sheet of paper of dimensions 66 cm X 15 cm is rolled along its length to form a right circular cylinder. Find the volume of the cylinder so formed.

SCIENCE

PHYSICS

1. Write the nature of the charges on a glass rod and Silk cloth when they are rubbed with each other.
2. What are the harmful effects of lightening on a lightening victim?
3. What is an earthquake?
4. What are seismic waves?
5. How can charging take place when the substance are rubbed?
6. What do you mean by vibration?
7. What is frequency? Write the unit of frequency.
8. How does shrillness or pitch is affected by frequency?
9. What are the laws of reflection of light?
10. Explain formation of rainbow.

CHEMISTRY

1. What do you mean by ignition temperature?
2. Define electroplating. Explain the electroplating of copper with diagram.
3. What is combustion? Give an example.
4. Differentiate between complete and incomplete combustion.
5. What is electrolysis? Mention it's application.
6. Differentiate between metals and non-metals.
7. Justify the statement "Non-metallic oxides are acidic in nature".
8. What is destructive distillation of coal? What are the products obtained?

BIOLOGY

1. In an outline map of odisha (outline with districts) locate few biosphere reserves, national park, wildlife sanctuary and zoo found in different districts of Odisha.
2. Collect some of the photographs of endangered species, vulnerable species, rare species, threatened species.
3. What are hatcheries? Explain about natural hatcheries.
4. What are grain silos? Why are they used?
5. Define the following –
   (a) gestation period
   (b) implantation
   (c) fertilization

6. Give the functions of following
   (a) thyroxin
   (b) Insulin
   (c) Growth hormone
   (d) Estrogen
7. (a) What is Nitrogen fixation?
   (b) What is denitrification?
   (c) Name one micro organism responsible for nitrogen fixation.
   (d) Name one denitrifying bacteria.
8. (a) Mention two causes of deforestation.
   (b) Explain how deforestation leads to desertification.

SST

HISTORY

1. What do you mean by Two Nation Theory?
2. Briefly mention the Government of India Act of 1935?
3. Who founded Indian National Congress and mention its aim?

Map Skill:-

4. In a political map of India locate the places where the session of Indian National Congress takes place in the year 1916,1920,1921,1906,1932,1885,1907.

GEOGRAPHY

1. What do you mean by Industrial system? Give example.
2. Why industries are considered as backbone of modern economy?
3. "MNCs firms are contributing a change in economy status of a country". Justify the statement.

Map Skill:-

4. In an outline map of India locate the major Indian Industrial clusters.

CIVICS

1. What do you mean by lok Adalat and mention its advantages?
2. What are the measures taken to develop agricultural during the First Five Year Plans?
3. Mention the development programmers launched by government for the rural development during first five year plans?

ODIA

୧. ରଚନା : ସ୍ୱଚ୍ଛ ଭାରତ ଅଭିଯାନରେ ଛାତ୍ରର ଭୂମିକା

୨. ପତ୍ର : ସବୁଦିନ ଖବର କାଗଜ ପଢିବା ପାଇଁ ସାନ ଭଉଣୀକୁ ଏକ ଉପଦେଶାତ୍ମକ ପତ୍ର ଲେଖ ।

୩. 'ଆହୁତି' - ପ୍ରଶ୍ନାବଳୀ ।

୪. 'ସ୍ୱପ୍ନ' - ପ୍ରଶ୍ନାବଳୀ ।

HINDI

१. अनुच्छेद लिखो—

'गुरु ब्रह्मा, गुरु विष्णु'

२. अपने छोटे भाई को परीक्षा में असफल होने पर सांत्वना (दिलासा) देते हुए पत्र लिखिए ।

३. 'मानवता ही सबसे बड़ा धर्म है ।' विषय पर गुरु और शिष्य के बीच संवाद लगभग ५० शब्दों में लिखिए ।

४. मोबाइल के लिए विज्ञापन तैयार कीजिए ।

५. उपसर्ग-प्रत्यय के पाँच-पाँच उदाहरण लिखो ।

SANSKRIT

१. समास - प्रश्नोत्तरं

२. अपठित अनुच्छेदम् - द्वयं

३. पत्रलिखनम् - द्वयं