



ANGEL'S PUBLIC SCHOOL

SAMPLE PAPER

PERIODIC TEST – II SESSION 2025 – 26

CLASS – VIII

SUBJECT – MATHEMATICS

TIME : 1:30 HRS

M.M:40

General Instructions

- Question paper is divided into 4 sections A,B,C and D.
- Section – A comprises of 4 questions of 1 mark each.
- Section – B comprises of 4 questions of 2 marks each.
- Section – C comprises of 5 questions of 3 marks each. Attempt any 4.
- Section – D comprises of 6 questions of 4 marks each. Attempt any 4.

SECTION – A

- Write a formula for 'Area of a Trapezium'.
- Write a formula for 'Curved surface area of a cylinder'.
- Find the value of $\frac{1}{-\frac{2}{3}}$
- An item marked at ₹ 340 and sold for ₹ 272. What is the discount?

SECTION – B

- The cost of a pair of roller skates at a shop was ₹ 450. The sales tax charged was 5%. Find the bill amount.
- Simplify $(2^5 \div 2^8)^5 \times 2^{-5}$
- The area of a rhombus is 240 cm^2 and one of the diagonals is 16 cm. Find the other diagonal.
- A go down is in the form of a cuboid of measures 60 m x 40 m x 30 m. How many cuboidal boxes can be stored in it if the volume of one box is 0.8 m^3 ?

SECTION – C (DO ANY 4)

- Simplify and write the answer in the exponential form.
(a) $(-4)^{-3} \times (5)^{-3} \times (-5)^{-3}$ (b) $(1/8) \times (3)^{-3}$
- Write in standard form.
(a) 0.000000564 (b) 216000 (c) 0.000007
- A sum of ₹10,000 is borrowed at a rate of interest 15% per annum for 2 years. Find the simple interest on this sum and the amount to be paid at the end of 2 years.
- An aquarium is in the form of a cuboid whose external measures are 80 cm x 30 cm x 40 cm. The base, side faces, and back face are to be covered with a coloured paper. Find the area of the paper needed.
- Find the height of a cylinder whose radius is 7 cm and the total surface area is 968 cm^2 .

SECTION – D (DO ANY 4)

- (a) If each edge of a cube is doubled, how many times will its surface area increase?
(b) How many times will its volume increase?
- A rectangular piece of paper 11cm x 4cm is folded without overlapping to make a cylinder of height 4cm. Find the volume of the cylinder.
- Express 4^{-3} as a power with the base 2.
- Simplify $(\frac{5}{8})^{-7} \times (\frac{8}{5})^{-5}$
- Waheeda bought an air cooler for ₹3300 including a tax of 10%. Find the price of the air cooler before VAT was added.
- The population of a city was 20,000 in the year 1997. It increased at the rate of 5% p.a. Find the population at the end of the year 2000.