

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Periodic Test-II (Round –II) 2025 – 2026

Class: VIII
 Subject: Mathematics

MM: 20
 Time: 1Hr

General Instructions:

1. All questions are compulsory.
2. The question paper consists of 13 questions divided in three sections A, B and C.
3. Section A contains 8 questions of 1 mark each. Section B contains 3 questions of 2 marks each. Section C contains 2 questions of 3 marks each.
4. There is no overall choice. However an internal choice has been provided. You have to attempt only one of the alternatives in all questions.
5. Use of calculator is not permitted.

Section A

Choose the correct answer:

- Q1.** The parallel sides of a trapezium measure 14 cm and 18 cm and the distance between them is 9 cm. The area of the trapezium is:
- a) 144 cm^2 b) 207 cm^2 c) 96 cm^2 d) none of these
- Q2.** What will be the multiplicative inverse of 7^{-2} ?
- a) 7^{-2} b) 7^2 c) 7^{-1} d) 7^1
- Q3.** Find the value of: $(3^0 + 4^{-1}) \times 2^2$
- a) $1/4$ b) $5/4$ c) 5 d) 4
- Q4.** $10 \text{ m}^3 = ?$
- a) 1L b) 10L c) 1000L d) none of these
- Q5.** Find the volume of cuboid whose length is 10 cm, breadth is 1.5 cm and height is 0.5 cm.
- a) 170 cm^3 b) 0.75 cm^3 c) 7.5 cm^3 d) 75 cm^3
- Q6.** 0.000367×10^4 in usual form is:
- a) 3.67 b) 36.7 c) 0.367 d) 0.0367
- Q7.** $\left(\frac{-5}{3}\right)^{-1} = ?$
- a) $-5/3$ b) $3/5$ c) $-3/5$ d) none of these

Q8. The total surface area of a cube is 96 cm^2 then its side is

- a) 4cm b) 16 cm c) 6 cm d) none of these

Section B

Answer the following questions:

Q9. The diagonals of a rhombus are 7.5 cm and 12 cm. Find its area.

OR

Find height of a cylinder whose radius is 7 cm and the curved surface area is 968 cm^2 .

Q10. A milk tank is in the form of cylinder whose radius is 1.5 m and length is 7 m. Find the quantity of milk in litres that can be stored in the tank?

Q11. Simplify and write the answer in exponential form:

$$(-3)^4 \times \left(\frac{5}{3}\right)^4$$

Section C

Q12. Water is pouring into a cuboidal reservoir at the rate of 60 litres per minute. If the volume of reservoir is 108 m^3 , find the number of hours it will take to fill the reservoir.

OR

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

Q13. Find m so that $(-3)^{m+1} \times (-3)^7 = (-3)^{2m-1}$
