

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Periodic Test - II (2023 – 2024)

Class: VIII

MM: 20

Subject: Mathematics

Time: 1Hrs.

Name: _____

Class / Section: _____

Roll No.: _____

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 AChoose the correct answer:

- Q1.** Find the value of: $\sqrt[3]{64}$
- a) 8 b) 16 c) 4 d) none of these

ORFind the value of: $\sqrt[3]{a} \times \sqrt[3]{b}$

- a) $a \times b$ b) $\sqrt[3]{\frac{a}{b}}$ c) $\sqrt{a \times b}$ d) $\sqrt[3]{a \times b}$
- Q2.** Convert in percentage: 0.03
- a) 0.3% b) 3% c) 0.03% d) none of these
- Q3.** Find selling price of an article if its marked price is ₹4000 and discount is ₹100.
- a) ₹ 3900 b) ₹ 4100 c) ₹ 4050 d) none of these

OR

Find profit or loss if CP = ₹ 2340, SP = ₹ 2430

- a) Profit of ₹200 b) Loss of ₹90 c) Profit of ₹90 d) no profit no loss
- Q4.** If $64000 = 2^9 \times 5^x$ then find x.
- a) 3 b) 5 c) 1 d) 2
- Q5.** Which one is the cube of an even number?
- a) 15625 b) 1728 c) 343 d) 1331

- Q6. Find the value of: 25%
- a) 0.4 b) 25 c) 0.04 d) 0.25
- Q7. Find the value of: $4^3 \times 3^3$
- a) 12 b) 444333 c) $7 \times 7 \times 7$ d) 1728
- Q8. Cost price of an article is ₹1200 and 10% GST is charged on it, How much money a customer will pay after applying GST.
- a) ₹ 1200 b) ₹ 1210 c) ₹ 1320 d) ₹ 1000

Section B

Answer the following questions:

- Q9. What is the smallest number by which 686 must be divided so that the quotient is a perfect cube?
- Q10. A shopkeeper purchased an article for ₹ 5250 and sold it at a profit of 10%. Find the selling price of the article.

OR

Cost of a suitcase is ₹ 3500 including 5% GST. Find the price of suitcase before GST was added.

- Q11. A table marked at ₹ 15000 is available for ₹ 14400. Find the discount given and discount percent.

Section C

- Q12. If 60% people in a city like cricket, 30% like football and the remaining like other games, then what percent of the people like other games? If the total number of people are 10 lakh, find the number of people who like cricket and football?

OR

Find the amount and compound interest on ₹24000 at 15% per annum compounded annually for 2 years.

- Q13. Find the smallest number that must be subtracted from 360 to make it a perfect cube. Also find the cube root of this perfect cube.
