O.P. JINDAL SCHOOL, SAVITRI NAGAR

Periodic Test – I (Round – I) 2026 – 27

Class/Section : VIII / _____ **MM : 20**

Subject : Mathematics **Time : 1 Hr.**

Name: _____ Roll No. _____

General Instructions: All questions are compulsory.

i. Questions 1 to 8 are of 1 Mark.
ii. Questions 9 to 11 are of 2 Marks.
iii. Questions 12 to 13 are of 3 Marks.

Section A

Multiple choice questions:

1. 21^{st} odd number is-

a) 41 b) 42 c) 43 d) none of these

2. Which of the following cannot be the units digit of a perfect square number?

a) 6 b) 1 c) 9 d) 8

3. 100 million is equal to:

a) 1.0×10^7 b) 1.0×10^{-7} c) 1.0×10^8 d) 1.0×10^{-8}

4. The square of 2^4 is equal to

a) 4^2 b) 4^4 c) 8^2 d) 8^4

5. Rupesh has 7 dresses, 2 hats and 3 pairs of shoes. How many different ways can Rupesh dress up?

a) 12 b) 24 c) 42 d) none of these

6. How many numbers lie between 25^2 and 26^2?

a) 49 b) 50 c) 51 d) 52

7. If a number has n zeroes, then the number of zeroes in its cube is

a) $2n$ b) $3n$ c) $6n$ d) $4n$

8. "Fourth powers are also square numbers"

a) Always true b) Never true c) Sometimes true d) none of these

Section B

Answer the following:

9. If $13^2 = 169$, then find the value of $(0.13)^2$.

10. Find the cube root of 4096.

11. State true or false.

a) There is no perfect cube that ends with 8.

b) The cube of a 2-digit number may be a 4-digit, 5-digit or 6 digit.

c) $20^2 - 19^2 = 20 + 19$.

d) The sum of n consecutive numbers starting from 1 is equal to n^2.

OR

The students of a class arranged an educational tour. Each student contributed as many rupees as the number of students in the class. If the total contribution is Rs.1156, find the strength of the class.

Section C

12. If a flock of starlings contains 10,000 birds. How many flocks could there be in the world, if there are around 1.3 Arab starlings gloabally.

OR

Simplify by using exponential rules if applicable:

a) $7^{-5} \div 7^3$

b) $2^2 \times 3^2$

c) Which is greater: 3^4 or 4^3?

13. Find the smallest number by which 9408 must be multiplied so that the product is a perfect square. Find the square root of the product.

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