

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

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: $\sqrt{169}$
- a) 14 b) 11 c) 13 d) none of these
- Q2.** Quadrilateral whose diagonals bisect each other:
- a) Rectangle b) Square c) Rhombus d) all of these
- Q3.** Find the probability of getting a number 6 on throwing a die.
- a) 1 b) $1/2$ c) $2/3$ d) $1/6$
- Q4.** What are the Pythagorean triplets whose one number is 6?
- a) 6, 8, 12 b) 6, 12, 18 c) 3, 4, 5 d) 6, 8, 10
- Q5.** Which one is the square of an even number?
- a) 441 b) 1444 c) 3969 d) 121
- Q6.** In a parallelogram RING, if $m\angle R = 70^\circ$, then $\angle N = ?$
- a) 75° b) 60° c) 110° d) 70°
- Q7.** A quadrilateral whose diagonals are equal and bisect each other at right angles is:
- a) Rectangle b) Square c) Both a & b d) None of these
- Q8.** In a pie chart 25% shown by:
- a) 30° b) 90° c) 60° d) 45°

Section B

Answer the following questions:

Q9. What is the smallest number by which 396 must be divided so that the quotient is a perfect square?

OR

Find the smallest number that is divisible by each of the numbers 4, 9 and 10.

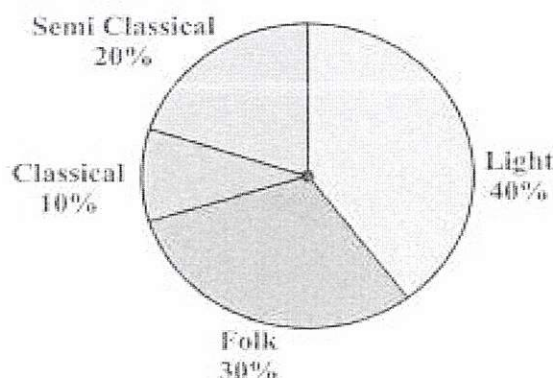
Q10. If you have a spinning wheel with 3 green sectors, 1 blue sector and 1 red sector. What is the probability of getting (i) a non blue sector (ii) a green sector?

Q11. Find all angles of a quadrilateral whose three angles are equal and fourth angle is 75° .

Section C

Q12. A survey was made to find the type of music that a certain group of young people liked in a city. Given below pie chart shows the findings of this survey. From this pie chart, answer the following questions.

- (i) If 20 people liked classical music, how many young people were surveyed?
- (ii) Which type of music is liked by the maximum number of people?
- (iii) If a cassette company were to make 1000 CDs, how many of Folk music would they make?



OR

When a die is thrown, what is the probability of:

- (i) getting an even number. (ii) getting a prime number. (iii) getting a number greater than 4.

Q13. ABCD is a parallelogram, find the value of x, y & z.

