

CLASS 9 MATH TEST PAPER 2

Class 09 - Mathematics

Time Allowed: 1 hour

Maximum Marks: 30

Section A

1. $9^3 + (-3)^3 - 6^3 = ?$ [1]
a) 540
b) 486
c) 270
d) 432
2. The simplest form of $0.5\bar{7}$ is [1]
a) $\frac{26}{45}$
b) $\frac{57}{99}$
c) $\frac{57}{100}$
d) $\frac{57}{90}$
3. If $g = t^{\frac{2}{3}} + 4t^{-\frac{1}{2}}$, what is the value of g when $t = 64$? [1]
a) $\frac{31}{2}$
b) $\frac{257}{16}$
c) $\frac{33}{2}$
d) 16
4. If $x^{21} + 101$ is divided by $x + 1$, then the remainder is [1]
a) 102
b) -1
c) 100
d) 0
5. The coefficient of x in the expansion of $(x + 3)^3$ is [1]
a) 1
b) 27
c) 9
d) 18
6. If $x + \frac{1}{x} = 5$, then $x^2 + \frac{1}{x^2} =$ [1]
a) 23
b) 27
c) 25
d) 10
7. The point (7, 0) lies [1]
a) on the positive direction of y-axis
b) on the positive direction of x-axis
c) in quadrant IV
d) in quadrant II
8. If $(x, y) = (y, x)$, then [1]
a) $x - y = 0$
b) $x + y = 0$
c) $x \div y = 0$
d) $xy = 0$
9. Which of the points P(0, 3), Q(1, 0), R(0, -1), S(-5, 0), T(1, 2) do not lie on the x-axis? [1]
a) Q, S and T
b) P, R and T
c) P and R only
d) Q and S only
10. If (-2, 5) is a solution of $2x + my = 11$, then the value of 'm' is [1]

