

TEST NO. 8**FULL BOOK****MATHEMATICS (SCIENCE)****019-(10TH CLASS)****Time Allowed:15 Min.****Paper: VIII (Objective Type)****Maximum Marks: 15**

Note: Four possible answers A,B,C and D to each question are given. The choice which you think is correct, fill the circle in front of that question with Marker or Pen ink. Cutting or filling two or more circles with result in zero mark in that question.

- 1.1 Pure quadratic equation is:
 (a) $x^2 - 7x + 6 = 0$ (b) $4x + 5 = 0$ (c) $4x^2 = 7$ (d) $x = 16$
2. $b^2 - 4ac$ is called:
 (a) Solution set (b) Discriminant (c) Value of x (d) None of these
3. $1 + \omega^2 =$ _____
 (a) ω (b) ω^2 (c) $-\omega$ (d) 1
4. The number of elements in power set of $\{1, 2, 3\}$ is:
 (a) 4 (b) 6 (c) 8 (d) 9
5. If three quantities a, b and c are related as $a : b :: b : c$. Then b is called:
 (a) Third Proportional (b) Second Proportional
 (c) Mean Proportional (d) Continued Proportional
6. The ratio of 1Km to 600m is:
 (a) 8 : 3 (b) 3 : 5 (c) 5 : 3 (d) 2 : 7
7. Which fraction is improper fraction?
 (a) $\frac{2x-3}{x^2+4}$ (b) $\frac{6x^4}{x^3+1}$ (c) $\frac{3x^2+2}{x^2+7x+12}$ (d) Both b and c
8. Indicate the function $R = \{(a, b), (b, a), (c, d), (d, e)\}$:
 (a) Into function (b) One-one function (c) Onto function (d) Objective function
9. The number of elements in power set of $\{a, b, c\}$ is:
 (a) 4 (b) 6 (c) 8 (d) 9
10. Coding formula of group data of the arithmetic mean is:
 (a) $\bar{X} = \frac{\sum fX}{\sum f}$ (b) $\bar{X} = \frac{\sum fD}{\sum f}$
 (c) $\bar{X} = A + \frac{\sum fU}{\sum f} \times h$ (d) $\bar{X} = A + \frac{\sum fU}{\sum f}$
11. If $\tan \theta = \sqrt{3}$ then $\theta =$ _____:
 (a) 30° (b) 45° (c) 60° (d) 90°
12. The distance of any point of the circle to its centre is called:
 (a) Radius (b) Diameter (c) A Chord (d) An Arc
13. Given that O is the centre of the circle. The angle marked x will be.
 (a) 25° (b) 50° (c) 75° (d) $12\frac{1}{2}^\circ$
14. To draw the inscribed circle of a triangle we have to draw:
 (a) Median of sides (b) Bisector of sides (c) Bisector of angles (d) Tangent of circle
15. A chord passing through the centre of a circle is called.
 (a) Radius (b) Diameter (c) Secant (d) Circumference

A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
1	☐	☐	☒	☐	4	☐	☐	☐	☒	7	☐	☐	☒	☐	10	☐	☐	☒	☐
2	☒	☐	☐	☐	5	☒	☐	☐	☐	8	☐	☒	☐	☐	11	☐	☐	☐	☒
3	☐	☒	☐	☐	6	☐	☐	☒	☐	9	☐	☐	☒	☐	12	☐	☐	☒	☐

نوٹ: ہر سوال کے پچھلے اور MCQ کی درست آجشن A,B,C,D کو بیچ کی سیاہی یا مارکر سے اس طرح بھر کرین کہ سیاہی دائرے سے باہر نہ نکلے ایک سے زیادہ دائروں کو بھر کرے یا کاٹ کرے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔