

TEST NO. 6**(Ch.1,2,7,9,13.1,13.2)(1st HALF BOOK)****MATHEMATICS (SCIENCE)****2020-(10TH CLASS)****Time Allowed:15 Min.****Paper: VI (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 Standard form of quadratic equation
(A) $ax^2 = 0, a \neq 0$ (B) $bx + c = 0, b \neq 0$ (C) $ax^2 + bx + c = 0$ (D) $ax^2 = bx, a \neq 0$
2. Discriminant of equation $ax^2 + bx + c = 0$
(a) $b^2 - 4ac$ (b) $b^2 + 4ac$ (c) $-b^2 + 4ac$ (d) $-b^2 - 4ac$
3. $\frac{1}{\alpha} + \frac{1}{\beta}$ is equal to.
(a) $\frac{1}{\alpha}$ (b) $\frac{1}{\alpha} - \frac{1}{\beta}$ (c) $\frac{\alpha - \beta}{\alpha\beta}$ (d) $\frac{\alpha + \beta}{\alpha\beta}$
4. Cube roots of -1 are:
(a) $-1, -\omega, -\omega^2$ (b) $-1, \omega, -\omega^2$ (c) $-1, -\omega, \omega^2$ (d) $1, -\omega, \omega^2$
5. Complete circle is divided into.
(a) 360° (b) 270° (c) 180° (d) 90°
6. If α, β are roots of equation $7x^2 - x + 4 = 0$ then $\alpha\beta =$
(a) $-1/7$ (b) $4/7$ (c) $7/4$ (d) $-4/7$
7. The chord passing through the centre of circle is.
(a) Radius (b) Diameter (c) Secant (d) Circumference
8. The chord passing through the centre of circle is.
(a) Radius (b) Diameter (c) Secant (d) Circumference
9. Locus of a point in the plane equidistant from a fixed point is called.
(a) Radius (b) Circle (c) Circumference (d) diameter
10. Complete circle is divided into.
(a) 360° (b) 270° (c) 180° (d) 90°
11. Through how many non-collinear points a circle can pass.
(a) One (b) Two (c) Three (d) Four
12. $\frac{3\pi}{4}$ radian =
(a) 115° (b) 135° (c) 150° (d) 30°
13. $\cot 60^\circ =$
(a) $\frac{1}{\sqrt{3}}$ (b) $\frac{1}{2}$ (c) $\sqrt{3}$ (d) 2
14. 120° is equal to.
(a) $1200'$ (b) $360'$ (c) $630'$ (d) $3600'$
15. $\frac{1}{1 + \sin \theta} + \frac{1}{1 - \sin \theta} =$
(a) $2 \sec^2 \theta$ (b) $2 \cos^2 \theta$ (c) $\sec^2 \theta$ (d) $\cos \theta$

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

نوٹ: ہر سوال نامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آجشن A,B,C,D کو بچین کی سیاہی یا مارکر سے اس طرح پُر کریں کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کاٹ کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔