TEST NO. 5

(Ch.7, 12,(Theorum.#-4).13.3 (Def. of Ch-7,10,12)

MATHEMATICS (SCIENCE) 2020-(10TH CLASS) Time Allowed:15 Min.
Paper: V (Objective Type) Maximum Marks: 15

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1.1 A complete circle is divided into.
(a) 90° (b) 180° (c) 270° (d) 360°

2. $\sin^2\theta + Cos^2\theta$
(a) $Sin\theta$ (b) $Cos\theta$ (c) 1 (d) 2

3. The union of two non-collinear rays, with have common end point is called.
(a) A Radian (b) A Minute (c) A Degree (d) An angle

4. If $\tan\theta = \sqrt{3}$ then θ is equal to.
(a) 90° (b) 45° (c) 60° (d) 30°

5. $Sec^2\theta =$ _____
(a) $1 - \sin^2\theta$ (b) $1 + \tan^2\theta$ (c) $1 + Cos^2\theta$ (d) $1 - \tan^2\theta$

6. $\frac{3\pi}{4}$ radian =
(a) 115° (b) 135° (c) 150° (d) 30°

7. $\frac{1}{2}\text{cosec}\,45^o$
(a) $\frac{1}{2\sqrt{2}}$ (b) $\frac{1}{\sqrt{2}}$ (c) $\sqrt{2}$ (d) $\frac{\sqrt{3}}{2}$

8. $Co\sec^2\theta - \cot^2\theta =$ _____
(a) -1 (b) 1 (c) 0 (d) $\tan\theta$

9. $\sec\theta\cot\theta =$ _____
(a) $Sin\theta$ (b) $\frac{1}{Cos\theta}$ (c) $\frac{1}{Sin\theta}$ (d) $\frac{Sin\theta}{Cos\theta}$

10. An angle inscribed in a semicircle is.
(a) $\frac{\pi}{2}$ (b) $\frac{\pi}{3}$ (c) $\frac{\pi}{4}$ (d) $\frac{\pi}{6}$

11. The semi circumference and diameter of circle both subtend a central angle of.
(a) 90 (b) 270 (c) 180 (d) 360

12. The measure of a central angle of minor are of a circle is _____ that of the angle subtended by corresponding major arc.
(a) Half (b) Equal (c) Double (d) Triple

13. $Cot60^2 =$ _____
(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) $2\text{Sec}^2\theta$ (b) $2Cos^2\theta$ (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	Ⓐ Ⓑ Ⓒ ●	4	Ⓐ Ⓑ ● Ⓓ	7	Ⓐ ● Ⓒ Ⓓ	10	● Ⓑ Ⓒ Ⓓ	13	● Ⓑ Ⓒ Ⓓ
2	Ⓐ Ⓑ ● Ⓓ	5	Ⓐ ● Ⓒ Ⓓ	8	Ⓐ ● Ⓒ Ⓓ	11	Ⓐ Ⓑ ● Ⓓ	14	● Ⓑ Ⓒ Ⓓ
3	Ⓐ Ⓑ Ⓒ ●	6	Ⓐ ● Ⓒ Ⓓ	9	Ⓐ Ⓑ ● Ⓓ	12	Ⓐ Ⓑ ● Ⓓ	15	● Ⓑ Ⓒ Ⓓ

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نوٹ: معروضی سوالنامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A,B,C,D کو پین کی سیاہی یا مار کر 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۔