# 11th Class ICS Mathematics Test Online

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | -2 sin α sin ß = | A. sin (α + ß) + sin (α - ß)<br>B. cos (α + ß) + cos (α - ß)<br>C. cos (α + ß) - cos (α - ß)<br>D. cos (α - ß) + cos (α - ß) |
| 2 | 2 cos α sin ß = | A. cos (α + ß) + cos (α - ß)<br>B. sin (α + ß) + sin (α - ß)<br>C. sin (α + ß) - sin (α - ß)<br>D. cos (α + ß) + cos (α - ß)<br> |
| 3 | 2 sin α cos ß = | A. sin (α + ß) - sin (α - ß)<br>B. cos (α + ß) + cos (α - ß)<br>C. sin (α + ß) + sin (α - ß)<br>D. cos (α + ß) - cos (α - ß) |
| 4 | Question Image | A. 1 + cos Θ<br>B. 1 - cos Θ |
| 5 | If sin α = cos ß in any triangle ABC then: | A. α + ß = 90°<br>B. α + ß = 180°<br>C. α + ß = 360°<br>D. α + ß |
| 6 | Cot1°, Cot2°, Cot3°, ..... Cot89° = | A. -1<br>B. 1<br>C. ∞<br>D. none |
| 7 | tan (270° + Θ) is equal: | A. cot Θ<br>B. tan Θ<br>C. -cot Θ<br>D. -tan Θ |
| 8 | If an angle α is allied to an angle ß, then α ± ß = _____: | A. 90°<br>B. multiple of 90°<br>C. 180°<br>D. multiple of 180° |
| 9 | tan (-135°) = | A. 0<br>B. 1<br>D. √2 |
| 10 | sec (2π + Θ), where Θ is a basic angle will have terminal side in: | A. quad. I<br>B. quad. II<br>C. quad. III<br>D. quad. IV |
| 11 | csc (2π - Θ), where Θ is a basic angle, will have terminal side in: | A. quad. I<br>B. quad. II<br>C. quad. III<br>D. quad. IV |
| 12 | Question Image | |
| 13 | Question Image | |
| 14 | Question Image | A. - cot Θ<br>B. - tan Θ<br>C. tan Θ<br>D. none of these |
| 15 | Question Image | D. none of these |
| 16 | Question Image | A. quad. I<br>B. quad. II<br>C. quad. III<br>D. quad. IV |
| 17 | Question Image | A. quad I<br>B. quad. II<br>C. quad. III<br>D. quad. IV |

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|---|---|---|
| 18 | sin (Θ - π) = | |
| 19 | Tan (294°) = | A. tan24°<br>B. -tan24°<br>C. cot24°<br>D. -cot24° |
| 20 | A reference angle Θ is always: | |