Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	A sequence of number whose reciprocals form an arithmetic sequence is called	A. Geometric sequence B. Arithmetic series C. Harmonic sequence D. Harmonic series
3	Question Image	A. 1 B. 3 C. 2-i D. -1
4	Question Image	
5	Question Image	A. 3 x 1 B. 1 x 3 C. 3 x 3 D. 1 x 1
6	Question Image	A. -3 B. -7 C. 1 D. 0
7	If x^2- 7x + a has remainder 1 when divided by x + 1, then a = _____	A. -7 B. 7 C. 0 D. None of these
8	IfΔABC is right, law of cosine reduce to	A. Law of sine B. Law of tangent C. Phthogorous theorem D. Hero's formula
9	Which shape of the following objects are approximately parabolic ares?	A. Light reflectors B. Force C. Weight of the pendul D. None of these
10	By expressing sin 125° in terms of trigonometrical ratios, answer will be	A. sin 65° = 0.9128 B. sin 55° = 0.8192 C. sin 70° = 0.5384 D. sin 72° = 0.1982
11	if the value of the sphere, v =4/3πr^{2,} then the which of the following statement is true?	A. r is the function of v B. v is the function ofπ C. π is independent variable D. None of these
12	If the matrices A and B have the order 1 x 10 and 10 x 1 then order of AB is	A. 1 x 1 B. 1 x 10 C. 10 x 10 D. 10 x 1
13	Question Image	
14	Given X,Y are any two sets such that number of elements in set X = 28, number of elements in set Y = 28, and number of elements in set X∪Y = 54, then number of elements in set X∩Y =	A. 4 B. 3 C. 2 D. 1
		A. 2 sinαcos<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px; text-align: center;

15	sin$\alpha =$	background-color: rgb(255, 255, 224);">α B. 2 sinαcosβ C. 2 sinα/2 cosα/2 D. 1+ tan²α/2
16	24 can be written as a product of	A. Odd factors B. Even factors C. Whole factors D. Prime factors
17	Multiplicative inverse of 0 is	A. 0 B. 1 C. +-1 D. Does not exist
18	csc(-π/2) = _____;	A. 0 B. 1 C. -1 D. Undefined
19	If A = {2m/m^3= 8 , m€ Z} then A =	A. {1,8,27} B. {4} C. (2,4,6} D. {2,16,54}
20	The√ is used for the	A. Positive square root B. Negative square root C. +ve and -ve square root D. Whole number