Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. all are correct
2	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze. D. Gold.
3	If x + y + 1 = 0 touches the parabola $y^2=\lambda x$, then λ is equal to	A. 2 B. 4 C. 6 D. 8
4	64.A point (x, y, z) moves parallel to xy plane. Which of the three variables x, y, z remain fixed?	A. z B. x C. y D. x and y
5	sin 540° =	A. 0 B. 1 C. 2 D. 3
6	The constant distance of all points of the circle from its centre is called the	A. Radius of the circle B. Secant of the circle C. Chord of the circle D. Diameter of the circle
7	Question Image	A. A(α) - A(β) B. A(α) + A(β) C. A(α-β) D. A(α+β)
8	The sixth term of the sequence 1,3,12,60....is	A. 1500 B. 72 C. 2160 D. 2520
9	The sum of indicated terms of a sequence is called	A. Arithmetic series B. Series C. Harmonic series D. None of these
10	A conditional "if p then q" is denoted by	
11	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd B. 3rd C. 4th D. 5th
		A. d

12	The sum of n terms of a series is denoted by	B. n C. S_n D. a_n
13	Question Image	
14	Question Image	
15	To each element of a group there corresponds ..... inverse element	A. Two B. One C. No D. Three
16	If b^2- 4ac is positive then the roots of the equation are	A. Real B. Imaginary C. Positive D. Negative
17	Question Image	A. direction ratios B. direction cosines C. direction angles D. none of these
18	If sin$\alpha$and cos$\alpha$are the roots of the equation px^2+ qx + r =0, then	A. p²- q²+ 2pr = 0 B. (p + r)²= q²- r² C. p²+ q²- 2pr = 0 D. (p - r)²= q²+ r²
19	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
20	Question Image	