Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. all are correct
2	Question Image	A. 0 B. 1 C. -1 D. undefined
3	Question Image	
4	If a_1 and r are the first term and the common ratio respectively then (n + 1)th term of the G.P. is	A. 0 B. $a_1 r^{n-1}$ C. $a_1 r^{n+1}$ D. $a_1 r^{n}$
5	Question Image	
6	_____ invented a symbolic way to write the statement "y is a function of x" as y= f(x)	A. Leibniz B. Newton C. Euler D. None of these
7	G is geometric mean between a and b if a, G, b is	A. A.P. B. G.P. C. H.P. D. None of these
8	The statement that a group can have more than one identity elements is	A. True B. False C. Ambiguous D. Some times true
9	The identity element with respect to subtraction is	A. 0 B. 1 C. -1 D. Does not exist
10	The value of $\sin^{-1} 5/13$ is equal to	A. Cos 5/13 B. $\tan^{-1}$ 5/12 C. $\cos^{-1}$5/12 D. 2 $\cos^{-1}$ 4/5
11	Question Image	
12	Question Image	
13	9. 8. 7. 6= _____	
14	Which of the following is the subset of all sets?	
15	I f the focus is F (0,-a) and directrix is the line v=a, then equation of the parabola is:	A. x^2 = 4ay B. y^2 = 4ax C. y^2 = -4ax D. x^2 = 4ax
16	What is the period of sin 2x/3 cos 4x=?	A. π B. 2π C. π/2 D. π/3
17	Question Image	
18	The square root of 2i - 20i is	A. ±(5 - 2i) B. ±(5+ 2i) C. (5 - 2i) D. None of these
19	If $s = 2t^3 - 3t^2 + 15t - 8$ is the equation of motion of a particle, then its initial velocity is	A. 8 B. 15 C. -6 D. None
20	Zero is	A. An irrational number B. A rational number C. A negative integer

C. A negative integer
D. A positive number