Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	The three consecutive numbers a,√ab,b are in	A. G.P B. H.P C. G.M D. None of these
4	The process of finding a function whose derivative is given is called a	A. Differentiation B. Integration C. Differential D. None
5	If a particle moves according to the law s = t^3- t^2, then its velocity at time t = 1.5 is	A. 9/2 B. 15/4 C. 5 D. None
6	Question Image	
7	For any set B, BUB' is	A. Is set B B. Set B' C. Universal set D. None of these
8	Question Image	A. At B. -A C. A D. A-1
9	e-radii are denoted by	A. η B. r2 C. r3 D. All of these
10	w^{28}+ w^{38}= _____	A. 0 B. 1 C. w D. -1
11	Question Image	
12	The formula an = a +(n-1)d for an A.P is called	A. nth term of an A.P B. Sum of first n terms C. A,M between a and b D. None of the above
13	The set of rational number is represented by	A. W B. R C. Q' D. Q
14	{1, 2, 3} is _____	A. an infinite set B. A finite set C. A singleton set D. Universal set
15	pth term of an H.P. is qr and qth term is pr then the rth term of the H.P. is	A. pqr B. 1 C. pq D. pqr²
16	cos(a +β)-cos(a-β) = _____;	A. 2cosa cosβ B. 2sina cosβ C. -25 in a cosβ D. -2sin a sinβ
17	A - B = _____	
18	_____ 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

19	Question Image
20	Question Image