Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Such fraction which can not be written in the form ofp⁄q where p,q and q≠ 0,such fractions are called.	A. Fractinal numbers B. Rational Numbers C. Even Numbers D. Whole Numbers
3	if f(x) = x^3 -3x^2 +5x -1, then f(-√2)=	A. 7+7√2 B. 3+3√2 C. -7-7√2 D. -3-3√2
4	There is no integer n for which 3^n is	A. Odd B. even C. Natural D. Prime
5	Question Image	
6	Question Image	
7	Question Image	A. 0 B. 1
8	Question Image	A. 1 / 2 B. 1 / 3 C. 1 / 4 D. None of these
9	Question Image	
10	Question Image	
11	The equation x2+ y2- 8x+ 6y+ 25= 0 represents	A. A circle B. A pair of straight lines C. A point D. None of these
12	Question Image	
13	Question Image	
14	The statement that a group can have more than one identity elements is	A. True B. False C. Fallacious D. Some times true
15	If f(x) = tan x then f(0) is	A. 0 B. 1 C. 1/2
16	Sin^{-1}(-x)=	A. Cos⁻¹1/x B. - Sin⁻¹X C. Cot⁻¹X D. None of these
17	The direction cosines of a line equally inclined with co-ordinate axes are	
18	The area under the curve y = 1/x^2 between x = 1 and x =4 is:	A. -25 B. 0.75 C. -0.35 D. -10
19	y=-a is the equation of the directrix of	A. y2 =4ax B. x2=-4ay C. x2=4ay D. y2=-4ax
20	2cos2 a/2 =_____;	A. 1+sina B. 1-sina C. 1+cosa D. 1-cosa