Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	If f(x)= x^3 then f(-2) is	A. -2 B. -4 C. -8 D. 8
3	There are _____ types of rational fraction	A. Three B. Four C. Five D. Two
4	Which of the following is a vector	A. length B. momentum C. volume D. speed
5	n!/(n-1)!=	A. n B. n! C. (n-1)! D. 0!
6	If f (x)=a0 +a1x+a2x2+a3x3-----+0n-1xn-1+anxn then f(n) (x) is equal to	A. n! B. ann! C. 0 D. an
7	f (x) = | x | is a/an	A. Injective function B. Bijective function C. Surjective function D. Implicit function
8	cos(3π/2 +θ) = _____;	A. sinθ B. cosθ C. -sinθ D. -cosθ
9	The number of combinations of 10 different objects taken 8 objects at a time is	A. 90 B. 45 C. 55 D. 50
10	Question Image	A. a cosec(ax + b) + c B. - a cosec(ax + b) + c
11	The law of consines is	
12	If sin A = cos A, 0°<A<90° then A is equal to	A. 1 B. 1/2 C. 0 D. None of these
13	Question Image	
14	Question Image	
15	A joint equation of the lines through the origin and perpendicular to the lines ax2 +2hxy +by2 =0 is indentical is ax2 +2hxy +by2 =0 if	A. h2 = ab B. a + b =0 C. a = b D. a≠ b E. a = b = 0
16	The distance between the points (1, 2) and (2, 1) is	A. 3 B. 6
17	Question Image	A. 0 B. 1
18	The central angle of an arc of a circle whose length is equal to the radius of the circle is called the	A. degree B. radian C. minute D. second
		A. True

19	The statement that a group can have more than one identity elements is	B. False C. Ambiguous D. Some times true
20	The angle AOP which the ray from an observer's eye at O to an object at P at a lower level makes with horizontal ray OA through O is called the	A. Angle of depression B. Angle of elevation C. Acute angle D. Obtuse angle