Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The decimal fraction in which we have finite number of digits in its decimal part is called.	A. recurring decimal fraction B. Non terminating faction C. Non recurring fraction D. terminating decimal fraction
2	The number of the diagonals of a 6 sided figure is	A. 15 B. 21 C. 9 D. 6
3	Question Image	A. 15 B. 15 i C. -15 i D. -15
4	Question Image	
5	If a=5j + 2j,b=2i -3j, then|a+2b|=	A. √21 B. √97 C. √39 D. None of these
6	The point (x_1, y_1) lies outside the circle $x^2+ y^2+ 2gx + 2fy + c =0$ if	
7	The number of points of intersection of two curves y = 2 sin x and $y = 5x^2+ 2x + 3$ is	A. 0 B. 1 C. 2 D. None of these
8	sin $(\alpha +\beta)=$	A. sinαcosβ- cosαsinβ B. sinαcosβ- cosαsinβ C. sin<span style="font-family: "Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color:

		rgb(255, 255, 224);">α cosα- cosβsinβ D. sinα cosα+ cosβsinβ
9	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
10	$(a^{-1})^{-1}=$	A. a⁻¹ B. a C. -a D. None of above
11	Question Image	A. 0 B. 1 C. -1 D. None
12	The additive inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist
13	Apollonius was a:	A. Rocket B. Muslims scientist C. Greek mathematicians D. Method of finding conics
14	Range of cosec x is _____	A. {-1, 1} B. R C. Negative real numbers D. R - { x | - 1 < x < 1}
15	Question Image	A. A B. 0 C. Unit vector D. None
16	Question Image	
17	Question Image	
18	Root of the equation $3^{x-1}+ 3^{1-x}=$ is	A. 2 B. 1 C. 0 D. -1
19	Question Image	A. 0 B. -2 C. 1 D. 4
20	Question Image	