Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	A disjunction of two statement p and q is true	A. p is false B. q is false C. Both p and q are false D. One of p and q is true
3	sin ($\alpha+\beta$) - sin ($\alpha-\beta$) =	A. 4 cosαsinβ B. 2 cosαsinβ C. 4 cosαcosβ D. 4 sin αsinβ
4	Question Image	A. 1 B. 2 C. 3 D. 4
5	If for the matrix A, A^5= I, then A^{-1}=	A. A² B. A³ C. A D. None of above
6	The solution of the quadratic equation x2 -7x + 10=0, is	A. 2 B. 5 C. 2,5 D. 7
7	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of these
8	Question Image	
9	If Projvu = Projuv, then	A. Uand vare parallel B. |u|=|v| C. Uandvre perpendicular D. One ofuorv
10	Question Image	A. Polynomial B. Equation C. Improper rational fraction D. Proper rational fraction
11	x = _____ is in the solution of 2x + 3 < 0	A. 0 B. 2 C. -1 D. -2
		A. 2<span style="font-family:

12	Tangent is a periodic function and its period is _____	"Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);">π B. 3π C. π D. 4π
13	Question Image	A. c = 0 B. c = -1 C. c = -2 D. c = 1
14	The eccentricity e of an ellipse is always	A. Rational B. Real C. Irrational D. Integer
15	Question Image	
16	(ABC)' =	A. CBA' B. CBA C. C'B'A D. C'B'A'
17	Range of cosec$\theta$is	A. W - {y | -1 < y < 1} B. R - {y | -1 < y < 1} C. O - {y | -1 < y < 1} D. R
18	cos (180° -θ)=	A. sinθ B. - cosθ C. - sinθ D. None of above
19	The line y = 2 x + c is a tangent to the parabola y^2= 16 x if c equals	A. -2 B. -1 C. 0 D. 2
20	If the roots of ax2 + b =0 are real and distinct then	A. ab > 0 B. a = 0 C. ab < 0 D. a > 0,b > 0