

Mathematics General Science Test Medium Mode

C-	Ougstions	Anguago Chaine
Sr	Questions	Answers Choice
1	The radius of the circle $x^2 + y^2 - 6x + 4y + 13 = 0$, is	A. 1 B. 2 C. 0 D. None of these
2	In the expansion of $(a + x)^n$ the general term T_{r+1} is	
3	If $tan^{-1}3 + tan^{-1}x = tan^{-1}8$, then $x=$	A. 5 B. 1/5 C. 5/14 D. 14/5
4	If $f(x) = \cos x$ then $f(0)$ is	A. 0 B. 1 C. 1/2
5	The symbol of irrational is	A. W B. N C. Q D. Q'
6	Question Image	A. 5 B. 25 D. 3
7	6 is	A. A prime integar B. An irrational number C. A rational number D. An odd integer
8	The general term of the A.P. is	A. a ₁ + (n - 1) d B. n + (a ₁ - 1) d C. d + (n - 1) a ₁ D. None of these
9	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of these
10	An ellipse slides between two lines at right angles to one another. The locus of its centre is :	A. a parabola B. an ellipse C. a circle D. a hyperbola
11	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the intersection is	A. an ellipse B. a hyperbola C. a circle D. a parabola
12	Question Image	A. 1 B. 0
13	For what value of k, $3x-2y+k=0$ is tangent to the circle $x^2+y^2+6x-4y=0$	A. k=0 B. k=0 or 26 C. k = 26 D. k=-13
14	A bag contains 5 white, 7 red and 5 black balls. If four balls are drawn one by one with replacement, the probability that none is white is	A. (11/16) ² B. (5/16) ² C. (11/16) ⁴ D. (5/16) ⁴
15	Question Image	
16	The angle of elevation of the tops of two towers at the middle point of the line joining the foots of the tower are 60° and 30° respectively. The the ratio of the heghts of the tower is	A. 2:1 B. 3:1 C. 1:2 D. 1:3
17	Question Image	
18	Question Image	A. cos 2x B. 2 cos 2x

10	Maccoon mage	C. 2 sin2x D2 cos2x
19	If #n = (n-5)2 + 5, then find #3 x #4.	A. 54 B. 12 C. 4 D. 9
20	Question Image	