Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	if the value of the sphere, $v = 4/3\pi r^2$, then the which of the following statement is true?	A. r is the function of v B. v is the function ofπ C. π is independent variable D. None of these
3	99th term of the series 2 + 7 + 14 + 23 + 34 + ... is	A. 9998 B. 9999 C. 10000 D. None of these
4	Question Image	A. $2^2 - n - 1$ B. $1 - 2^{-n}$ C. $n + 2^{-n} - 1$ D. $2^n - 1$
5	The sum of the even coefficients in the expansion $(1 + x)^n$ is	A. n^2 B. 2^{n-2} C. 2^{n-1} D. 2^n
6	A circle passing through the vertices of any triangle is called	A. Circumcirle B. Incircle C. Escribed circle D. Unit circle
7	(0,0) is in the solution of the inequality	A. x + y > 3 B. x - y > 2 C. 3x + 2y > 5 D. 3x - 2y < 2
8	Vector i =	A. [1,0] B. [0,1,0] C. [0,0,1] D. None of these
9	The sides of a right angled triangle are in A.P The ratio of sides is	A. 1:2:3 B. 3:4:5 C. 2:3:4 D. 5:8:3
10	The number of words that can be formed out of the letters of the word ASSASSINATION is	
11	Question Image	
12	{0} is a	A. Empty set B. Singleton set C. Zero set D. Null Set
13	$\sin^{-1} x =$	A. $\tan^{-1} x$ B. $\text{Cosec}^{-1} x$ C. Cosec x D. $\text{cosec}^{-1}(1/x)$
14	Question Image	
15	Question Image	
16	Question Image	
17	Question Image	
18	The root of the quadratic equation are	A. 3 B. 2 C. 1 D. 4
19	The Principal value of sin-1 (-1/1/2)	A. $\pi/2$ B. $-\pi/2$

C. `<p class="MsoNormal">π<o:p></o:p></p>`
D. `<p class="MsoNormal">-π<o:p></o:p></p>`

20	Question Image	A. 6, -12, -18 B. -6, 4, 9 C. -6, -4, -9 D. -6, 12, 18