

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Zero is	A. An irrational number B. A rational number C. A negative integer D. A positive number
3	Question Image	C. 16 D. None of these
4	An indicated sum of terms of a sequence is represented by	A. S_n B. a_n C. $S(n)$ D. $\{S_n\}$
5	$\sqrt{25}$ is a number	A. Rational B. Irrational C. Natural D. Odd
6	In a quadratic equation with leading co-efficient 1, a student reads the co-obtain the roots as - 15 and -4. The correct roots are	A. 6, 10 B. -6, -10 C. 8, 8 D. -8, -8
7	Question Image	
8	The complement of set A relative to universal set U is the set	
9	The eccentricity of the parabola $y^2 = -8x$ is	A. -2 B. 2 C. -1 D. 1
10	Archimedes approximate the function by horizontal function and the area under f by the sum of small	A. Parallelograms B. Squares C. Retangles D. Polygons
11	If $f(x) = x^2 - x$ then $f(1)$ is	A. 0 B. 1 C. 2 D. 3
12	Question Image	A. $n(A)$ B. $n(B)$ C. 0 D. 1
13	If n is odd then the middle terms in the expansion of $(a + x)^n$ are	
14	In ΔABC if $\angle C = 90^\circ$ then the Pythagoras theorem is	A. $b^2 + c^2 = a^2$ B. $a^2 + b^2 = c^2$ C. $a^2 + c^2 = b^2$ D. None of these
15	The value of n, when ${}^nP_2 = 20$ is	A. 3 B. 4 C. 6 D. 5
16	If all members of a sequence are real numbers then it is called	A. A.P B. Real Sequence C. G.P D. None of these
17	Question Image	A. $(x^3 - 3x^2 + 8x + c)^8$ B. $(x^3 - 3x^2 + 8x + c)^8$ C. $(x^3 - 3x^2 + 8x + c)^8$ D. $(x^3 - 3x^2 + 8x + c)^8$
18	The sum of even coefficient in the binomial expansion is	A. 2^{n+1} B. 2^n C. 2^{n-1} D. $2n$

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Question Image

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Arithmetic mean between a and b is