

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If there is one-one correspondence between A and B, then we write.	A. $A = B$ B. $A \subseteq B$ C. $A \supseteq B$ D. $A \sim B$
2	Through how many radians does the minute hand of a clock turn in one hour	
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. (x, y) B. (kx, y) C. (x, ky) D. (kx, ky)
4	Three right angles is the angle of measure	A. $270^\circ$ B. $180^\circ$ C. $90^\circ$ D. $270'$
5	If $a_1, r$ are first term and the common ratio respectively then the sum of an infinite geometric series is	
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 110 B. 220 C. 1320 D. None of these
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $5x^4 + c$ B. $\frac{1}{6}x^6 + c$ C. $5x^2 + c$ D. $\frac{1}{5}x^6 + c$
9	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	An integral of $\frac{1}{x} dx$ is:	A. $\frac{1}{x^2}$ B. $\frac{1}{-x^2}$ C. $\frac{1}{\ln x}$ D. $\ln x$
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	If $T = \{2, 4, 6, 8, 10, 12\}$ , then	A. T = (First six natural numbers) B. T = (First six odd numbers) C. T = (First six real numbers) D. T = (First six even numbers)
14	Period of $3 \sin x$ is _____	
15	The sum of indicated terms of a sequence is called	A. Arithmetic series B. Series C. Harmonic series D. None of these
16	The equation of the circle with centre origin and radius r is	A. $x^2 + y^2 = 1$ B. $x^2 + y^2 = r^2$ C. $x^2 + y^2 = 0$ D. $x^2 - y^2 = r^2$
17	If $f(x) = 2x+1$ then $f \circ f(x) =$ _____;	A. $4x+3$ B. $2x+3$ C. $4x+1$ D. None of these
18	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 72 B. 12

- 18 The number of 5-digit number that can be formed from the digits 1,2,4,6,8, when 2 and 8 are never together is B. 48  
C. 144  
D. 20
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- 19 How many arrangements of the letters of the word MISSISSIPPI, taken all together can be made?
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- 20 The seventh term of  $(x^3+1/x)^8$  is A. 71  
B. -22  
C. 27  
D. 28
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