

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
2	The area enclosed between the graph $y = x^2 - 4x$ and the x- axis is:	A. 20/3 B. 41/3 C. 32/3 D. 25/3
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
4	120° degrees are equal to how many radians?	
5	Two unbiased dice are thrown. The probability that the total score is > 5 is	A. 1 / 18 B. 7 / 18 C. 13 / 18 D. 11 / 18
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\cos x$ B. $-\sin x$ C. $-\cos x$ D. $\tan x$
7	$(1 - x)^3 = \underline{\hspace{2cm}}$	A. $1 + 3x + 3x^2 + x^3$ B. $1 + x + x^2 + x^3$ C. $1 - x + x^2 - x^3$ D. $1 - 3x + 3x^2 - x^3$
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
9	The sample space for tossing a coin twice is	A. {H, T} B. {HH, HT, TH, TT} C. {H, T, HH} D. {HH, HT, TT}
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	The set {1, -1, i, -i} form a group under	A. Addition B. Multiplication C. Subtraction D. None
12	For an A.P common difference d	A. Can be zero B. May or may not zero C. Cannot be zero D. None of these
13	The 10th common term between the series $3+7+11+\dots$ and $1 + 6 + 11 + \dots$ is	A. 191 B. 193 C. 211 D. None of these
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. none of these
15	The period of $3 \sin x$ is	A. $2\pi$ B. $9\pi$ C. $3\pi$ D. $5\pi$
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
18	$w^{-12} = \underline{\hspace{2cm}}$	A. 0 B. 1 C. w D. $w^2$

19

Question Image

- B. 360
- C. 120
- D. 24

20

Question Image

- A.  $ab = -1$
- B.  $ab = 1$
- C.  $ab = 2$
- D. None