

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$r^{(4n+2)} = \dots\dots\dots$	A. 1 B. i C. -1 D. -i
2	Question Image	
3	$1^0 = \dots\dots\dots$	A. 360' B. 60" C. 60' D. 3600'
4	If $(1+x-2x^3)^6 = 1+a_1x + a_2x^2 + a_3x^3 + \dots$ the the value of $a_2 + a_4 + a_6 + \dots + a_{12}$ will be	A. 32 B. 31 C. 64 D. 1024
5	$\sin 45^\circ = \dots\dots\dots$	
6	How many necklaces can be made from 6 beads of different colours?	A. 120 B. 60 C. 24 D. 15
7	Question Image	A. Commutative property of addition B. Closure property of addition C. Additive inverse D. Associative property w.r.t. to addition
8	Question Image	A. 0 B. 1 C. 2 D. 3
9	Question Image	
10	Question Image	
11	A square matrix $A = [a_{ij}]$ is lower triangular matrix when:	A. $a_{ij} = 0$ for all $i < j$ B. $b_{ij} = 0$ C. $c_{ij} = 0$ D. $d_{ij} = 0$
12	Question Image	A. 0 B. 1 C. -1 D. None
13	Name the property used in $4.1 + (-4.1) = 0$	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity
14	Question Image	
15	The equations of the line thro' the point (2, 3, -5) and equally inclined to the axis are	
16	If $\#n = (n-5)^2 + 5$ , then find $\#3 \times \#4$ .	A. 54 B. 12 C. 4 D. 9
17	Question Image	A. $-2x \cos x$ B. $-2x \sin x$ C. $-x \sin x$ D. $-2x \sin x$
18	Question Image	A. (1, 7/3) B. (1, 7/5) C. (1, 11/7)

19

Question Image

A. 0

B. 1

D. none of these

20

Question Image