

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	
4	If $B-A \neq \emptyset$ , then $n(B-A)$ is equal to	A. $n(a)+n(c)$ B. $n(c)-n(a)$ C. $n(a)-n(c)$ D. None of these
5	The fixed point from which all the points of a circle are equidistant is called the	A. chord of the circle B. centre of the circle C. diameter of the circle D. radius of the circle
6	If $S_r$ denotes the sum of the first $r$ terms of a G.P., then $S_n, S_{2n}-S_n, S_{3n}-S_{2n}$ are in	A. A.P. B. G.P. C. H.P. D. None of these
7	The points $(5, -4, 2), (4, -3, 1), (7, -6, 4), (8, -7, 5)$ are vertices of a	A. Square B. Parallelogram C. Rectangle D. Rhombus
8	Question Image	C. 0 D. 1
9	The 6th term of the sequence 7,9,12,16.....is	A. 27 B. 32 C. 20 D. 19
10	$\tan 3x \tan 2x - \tan x$ is equal to	A. $\tan x \tan 2x \tan 3x$ B. $-\tan x \tan 2x \tan 3x$ C. $\tan x \tan 2x - \tan x \tan 3x - \tan 2x \tan 3x$ D. None of these
11	Question Image	A. Improper rational fraction B. Proper rational fraction C. Polynomial D. Equation
12	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}
13	Additive inverse of $-a - b$ is	A. a B. $-a + b$ C. $a - b$ D. $a + b$
14	If you are looking a high point from the ground, then the angle formed is	A. Angle of elevation B. Angle of depression C. Right angle D. Horizon
15	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
16	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze. D. Gold.
17	Question Image	
18	Question Image	

19 The function sine and Cosine have the closed interval as their range

- A.  $[1, 0]$
- B.  $[-1, 1]$
- C.  $[0, 1]$
- D.  $[-1, 2]$

20 Domain of  $\sec \theta$  is