

## Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Complex roots of real quadratic equation occur in	A. Conjugate pair B. ordered pair C. reciprocal pair D. quadratic function
2	The associative angle of $280^\circ$ is	A. $100^\circ$ B. $10^\circ$ C. $80^\circ$ D. $-80^\circ$
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 2 C. 3 D. 4
4	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
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 0 C. -2 D. 3
6	Which of the following integrals can be evaluated	
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	The line joining (1, 3) to (a, b) has unit gradient then	A. $a-b = -2$ B. $a+b = 0$ C. $a-b + 5$ D. $2a+3b=1$
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. None of these
10	The difference of two consecutive terms of an A.P. is called	A. Constant of series B. Common ratio C. Common difference D. General term
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
12	$a + x$ is	A. A trinomial B. A binomial C. A moomial D. An equation
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
15	The sum of the series $1+5+9+13+17+21+25+29$ is	A. 140 B. 130 C. 120 D. 110
16	If $n$ is a positive integer, then $3+6+9+ \dots +3n =$	
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
18	If the sum of the roots of $(a + 1)x^2 + (2a + 3)x + (3a+4) = 0$ is $-1$ , then product of the roots is	A. 1 B. 2 C. -2 D. -1

19 The nth term in G.P 3,-6,12,..... is

- A.  $3(-2)^{n-1}$
- B.  $2(-2)^{n+1}$
- C.  $3(-2)^n$
- D.  $4(-2)^{n-1}$

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