Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If sided of□ABC are 16,20,and 33, then the value of the greatests angle to	A. 150□ 20' B. 132□ 35' C. 101□ 25' D. 160□ 50'
2	3/4 is _____	A. An odd number B. An even number C. A natural number D. A rational number
3	If sin ($\pi\cos\theta$) = cos ($\pi\sin\theta$), then which of the following is correct?	
4	Question Image	A. real number B. complex number C. rational number D. irrational number
5	If (0, 0) and (-1, 0) are end points of a diameter, then the equation of the circle is	
6	The 10th common term between the series 3+7+11+..... and 1 + 6 +11 + ... is	A. 191 B. 193 C. 211 D. None of these
7	Fifteen girls compete in a race. The first three places can be taken by them in	A. 3! ways B. 12! ways C. 15 x 14 x 13 ways D. 42 ways
8	In R, the multiplicative inverse of a is	A. 0 B. 1 C. -a D. 1/a
9	The set of rational number is represented by	A. W B. R C. Q' D. Q
10	An open sentences formed by using the sign of equality '=' is called _____	A. An identity B. An equation C. A polynomial D. None of these
11	If S is a sample space and event set E = S then P(E) is	A. >0 B. 1 C. <1 D. 0
12	sin(a-90°)=_____;	A. sina B. cosa C. -sinθ D. -cosa
13	What is the number of elements of the power set of {0, 1}	A. 1 B. 2 C. 3 D. 4
14	A circle passing through the vertices of any triangle is called _____	A. In circle B. Circum circle C. Escribed circle D. None of these
15	The set (Q, .)	A. Forms a group B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
16	If all members of a sequence are real numbers then it is called	A. A.P B. Real Sequence C. G.P D. None of these

17	Question Image	A. 0 B. 1 C. -1 D. none of these
18	Roots of the equation $x^2 - 7x + 10 = 0$ are	A. {2, 5} B. {-2, 5} C. {2,5} D. {-2,-5}
19	$\sqrt{-1}$ b=	A. b B. 2 C. 2b D. None of these
20	The set of natural numbers is a subset of	A. {1, 2, 3, ... 100} B. The set of whole numbers C. {2, 4, 6, 8, ...} D. None of these