Quantitative Test for HEC HAT 1 Engineering & IT

Sr	Questions	Answers Choice
1	1764÷ 17.64 /0.5	A. 100 B. 20 C. 0.2 D. 200
2	t is an integer than 5. The expression that must represent an odd integer is:	A. 1(t+1) B. 9t-1 C. t² D. 2t-3
3	Find the value of x if 3 : b = x : c.	
4	1/x=1/y+1/z then 'x' in terms of 'y' and 'z' is given by?	A. (y+z) / (y-z) B. yz / (y+z) C. (y+z)/ yz D. 1/z-1/y
5	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
6	Question Image	A. 24 B. 12√2 C. 16√2 D. 48
7	t is an integer greater than 5. The expression that must represent an odd integer is	A. t(t+1) B. 3t-1 C. t² D. 2t-3
8	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
9	Question Image	A. 5 B. 10 C. 110 D. 125
10	The value of x^2 + 5x +6 at x=2 is:	A. 10 B. 14 C. 18 D. 20
11	350 - -96÷18 =?	A. 318 B. -132 C. 328 D. 232
12	How many miles are there between two cities if the distance is represented by a 2.4 inch line on a map having a scale of 1 inch to 8 miles?	A. 19.0 B. 12.8 C. 8.5 D. 38
13	A car that gets 15 miles per gallon of gasoline can travel 250 miles on a full tank. If the same car got 20 miles per gallon, how many miles could it travel on a full tank ?	A. 300 B. 750 C. 250 3/4 D. 333 1/3
14	Z + 1/Z =2 ; Z =?	A. 2 B. 1 C. 1/2 D. 1 1/2
15	Question Image	A. 780 B. 585 C. 1170 D. 540
16	A 4 cm cube is cut into 1 cm cubes. What is the percentage increase in the surface area after such cutting ?	A. 4% B. 300% C. 75%

		D. 400%
17	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
18	If a train travels 5/6 miles in 1 1/4 minutes, how many miles will it travel in 1 hour?	A. 20 miles B. 50 miles C. 40 miles D. 30 miles
19	The value of $(x+y)^2 + (x-y)^2$ is?	A. 4 B. 2(x²+y²) C. 4xy D. -4xy
20	If $x=7y+3$ and $z=49y^2$ then what is 'z' in terms of x?	A. X2 B. x²-3 C. (x-3)²/7 D. None