

## Quantitative Test for HEC HAT 3 Arts & Humanities, Social Sciences

Sr	Questions	Answers Choice
1	Question Image	A. 20 B. 25 C. 40 D. 50
2	1764÷ 17.64 /0.5	A. 100 B. 20 C. 0.2 D. 200
3	If $a^2$ - $b^2$ =36 and a-b =12 then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. 3/2
4	If p is a negative integer and $p^2+11p=t$ , a value of t could be:	A. 12 B. 18 C18 D. 11
5	When $3x^2+5x+7$ is subtracted from $x^2+8x+3$ the result is?	A. 5x <sup>2</sup> -3x+4 B. 3x-2x <sup>2</sup> -4 C. x <sup>2</sup> +8x+10 D. 11x <sup>2</sup> +3x+10
6	35096÷18 =?	A. 318 B132 C. 328 D. 232
7	If a pipe can fill a tank in 2 hours and another pipe can fill the same tank in 40 minutes. How much time in minutes is needed to fill the tank if both the pipes are working together?	A. 90 B. 90 C. 60 D. 30
8	1/2 of 44÷ 2.2 =?	A. 20 B. 22 C. 44 D. 100
9	How many integers between 28 and 98 are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
10	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours?	A. 8000 B. 9000 C. 300 D. 900
11	The population of a city increased in two years from 25,000 to 30,000: find the increase percent during the time.	A. 10% B. 20% C. 40% D. 5%
12	Dave is twice as old as Bob, who is 3 years older than Steve. If Steve is 4a years old, Dave's age is	A. 8a B. 22a C. 14a D. 8a + 6
13	A man has Rs. 2000, and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
14	If 3x+5y=10 and 3y+5x=30 then average if 'x' and 'y' is?	A. 3/2 B. 4 C. 5/2 D. 7/2
15	If the redius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 40%

16	If $x + 3y = 7$ and $2x + y = 5$ then value $x/y$ is?	A. 1/2 B. 1/3 C. 2/5 D. 8/9
17	1.02 - 0.02 + ? = 1.842	A. 0.222 B. 0.842 C. 2 D. None
18	t is an integer than 5. The expression that must represent an odd integer is:	A. 1(t+1) B. 9t-1 C. t <sup>2</sup> D. 2t-3
19	If p is a negative integer and $P^2$ + 11p = t, a value of t could be	A. 12 B. 18 C18 D. 11
20	The population of a city increased in two years from 25,000 to 30,000; find the percent increase during the time.	A. 10% B. 20% C. 40% D. 5%