

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

Sr	Questions	Answers Choice
1	25% of 4 ÷ 4% of 25 =?	A. 1 B. 3 C. 0 D. 6
2	If it takes 10 minutes to walk 3/7 mile, how many minutes will it take to walk the rest of the mile ?	A. 2 1/3 B. 13 1/3 C. 4 2/7 D. 30
3	Ay-b=c,dy what is 'y' in terms of 'a', 'b' and 'c'?	A. (c+b) / (a+d) B. (c-b) / (a+d) C. (c-b) / (a+d) D. (c+b) / (a-d)
4	Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the age of 8. Find their average age.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
5	If it takes 10 minutes to walk 3/4 mile, how many minutes will it take to walk the rest of the mile?	A. 2 1/3 B. 13 1/3 C. 4 2/7 D. 30
6	$(x+y)^2=25$ and $x^2+y^2=13$ then xy is equal to?	A. 16 B. 20 C. 18 D. 6
7	The annual decrease in the population of a city was 10% and the present number of inhabitants is 1620. What was the population 2 years hence ?	A. 20 B. 400 C. 2000 D. 1000
8	A word processing operator typed 44 words per minute. After practice, the operator's speed increased to 55 words per minutes. By what percent did the operator's speed increase ? (25%)	A. 25% B. 50% C. 15% D. 20%
9	If $abc=2$ and $a=c$ then $b=$	A. $a^{2\sqrt{2}}$ B. $1/2a$ C. $2/a^{2\sqrt{2}}$ D. $2-a^{2\sqrt{2}}$
10	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	A. 20.7 B. 21 7/8 C. 1.47 D. 31.7
11	A rectangle is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by	A. 169 B. 256 C. 100 D. 9 E. None of the above
12	$(160 - 130) (270 - 240) / 2250 \div 50 = ?$	A. 4/3 B. 2/3 C. 45 D. 20
13	A man spent 10% of his money. After spending 60% of the remainder he has Rs. 72 left. How much had he in the start ?	A. 10 B. 100 C. 200 D. 400
14	$72/3 \div 18/6 = ?$	A. 72 B. 8 C. 18 D. 48
15	If the radius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 160%

		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	A man opens a bookstall with a capital of Rs. 25000. In three month his capital amounts to rupees 27500. What is the increase percent ?	A. 1% B. 10% C. 20% D. 7%
18	Question Image	A. $a-180$ B. $2a-180$ C. $180-2a$ D. $180-b$
19	If $x=7y+3$ and $z=49y^2$ then what is 'z' in terms of x?	A. $X^2$ B. $x^{\sup>2\sup>}-3$ C. $(x-3)^{\sup>2\sup>}/7$ D. None
20	Question Image	A. 30 B. 39 C. 80 D. 78