

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

Sr	Questions	Answers Choice
1	When $3x^2+5x+7$ is subtracted from x^2+8x+3 the result is?	A. $5x^2-3x+4$ B. $3x-2x^2-4$ C. $x^2+8x+10$ D. $11x^2+3x+10$
2	If $3\frac{1}{5}c=2\frac{1}{2}b$ and $c\neq 0$, then $b/c=?$	A. $25/32$ B. $7/8$ C. $32/25$ D. $11/10$
3	If Myra had bowling scores of $b + 6$, $b - 2$, $b + 4$, and $b - 5$, what must she score in the next game to get an overall average of $b + 2$?	A. $b + 7$ B. $b - 3$ C. $b + 3$ D. $b - 7$
4	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
5	$\sqrt{169} / 196 \times 14 / \sqrt{1521} = ?$	A. $13/42$ B. $1/13$ C. $42/5$ D. $1/42$
6	The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555, and 630. Find the population of Ninth village if the average population of Nine villages is 900.	A. 1200 B. 1050 C. 1030 D. 7070
7	Find the ratio of 18 inches to 2 yards.	
8	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
9	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
10	The average of x , y , z and 40 is 10. What is the average of x , y , and Z .	A. 10 B. 0 C. 2 D. 15
11	Which of the following is the sum of two consecutive prime numbers?	A. 66 B. 52 C. 41 D. 29
12	$5/3 + 7/6 + 9/3 + 7/2 = ?$	A. $28/3$ B. $112/3$ C. $28/12$ D. $14/7$
13	If you have 50 green , 50 orange, and 50 yellow jelly beans, how many bags can you fill for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans?	A. 12 B. 13 C. 16 D. 17
14	Question Image <input type="text"/>	A. 5 B. 10 C. 110 D. 125
15	If p is a negative integer and $P^2 + 11p = t$, a value of t could be	A. 12 B. 18 C. -18 D. 11
16	If $x\%$ of 60 =48, then $x=?$	A. 80 B. 60 C. 90

D. 40

17 $Ay-b=c-dy$ what is 'y' in terms of 'a', 'b' and 'c'?

- A. 30
- B. $38/2$
- C. $38/3$
- D. $38/5$

18 Change $27/7$ to a mixed number.

- A. $6 \frac{1}{3}$
- B. $7 \frac{1}{2}$
- C. $3 \frac{6}{7}$
- D. $2 \frac{1}{7}$

19 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

20 If the area of two circles are in the ratio 169 : 196 then ratio of their radii is

- A. 13 : 11
- B. 10 : 13
- C. 14 : 13
- D. 13 : 14