

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

Sr	Questions	Answers Choice
1	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
2	Change $4\frac{4}{2}$ to an improper fraction:	A. $\frac{14}{3}$ B. $\frac{11}{3}$ C. $\frac{24}{3}$ D. $\frac{10}{3}$
3	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 15 B. 30 C. 45 D. 72
4	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
5	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^3 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2x^2y + 2x^2y$ D. $2xy^3 + 2x^3y$
6	If $(36)(?)(7)=21$, then ? equals	A. $\frac{21}{43}$ B. $\frac{1}{42}$ C. $\frac{1}{12}$ D. $\frac{1}{11}$
7	A factory employs M men and W women. What part of its employees are women ?	A. $\frac{W}{(W+M)}$ B. $\frac{W}{M}$ C. $\frac{(W+M)}{M}$ D. $\frac{M}{W}$
8	A man bought 27 packets of Chilli Milli at \$280 each, 9 packets of Chilli Milli at \$320 each and 6 packets of Chilli Milli at \$360 each. Find the average price per packet of Chilli Milli.	A. \$250 B. \$300 C. \$400 D. \$380
9	If a man's weekly salary is \$X and he saves \$Y, what part of his weekly salary does he spend?	
10	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 40 B. 50 C. 90 D. 130
11	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
12	$\sqrt{256} \div \sqrt{64} = ?$	A. $\frac{1}{4}$ B. $\frac{26}{8}$ C. 16 D. 4
13	A motion was passed by a vote of 5 : 3. what part of the votes cast was is favor of the motion?	A. $\frac{3}{5}$ B. $\frac{5}{8}$ C. $\frac{3}{8}$ D. $\frac{5}{3}$
14	Find the sum of money, 11% of which is Rs.1650.	A. 150 B. 3300 C. 25000 D. 15000
15	If $abc = 2$ and $a = c$ then $b =$	A. a^2 B. $\frac{1}{2a}$ C. $\frac{2}{a^2}$

D. $2\frac{2}{5}$

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| 16 | One half of the employees of Al Karim Co. earn salaries above Rs. 18,000 monthly. One third of the remainder earn salaries between Rs. 15,000 and Rs. 18,000. What part of the staff earns below Rs. 15,000 ? | A. $\frac{2}{3}$
B. $\frac{1}{3}$
C. $\frac{2}{5}$
D. $\frac{3}{5}$ |
| 17 | 12% of $x = 360$ | A. 250
B. 100
C. 400
D. 3000 |
| 18 | The value of $(x+y)^2 + (x-y)^2$ is? | A. 4
B. $2(x^2 + y^2)$
C. $4xy$
D. $-4xy$ |
| 19 | If $(36)(?)(7) = 21$, then ? equals | A. $\frac{21}{43}$
B. $\frac{1}{42}$
C. $\frac{1}{12}$
D. $\frac{1}{11}$ |
| 20 | $\frac{1}{2}$ of $44 \div 2.2 = ?$ | A. 20
B. 22
C. 44
D. 100 |