

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

| Sr | Questions  | Answers Choice   |
|----|--|--|
| 1  | 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<br>B. 100<br>C. 200<br>D. 400  |
| 2  | If it takes 10 minutes to walk $\frac{3}{7}$ mile, how many minutes will it take to walk the rest of the mile ?  | A. $2\frac{1}{3}$<br>B. $13\frac{1}{3}$<br>C. $4\frac{2}{7}$<br>D. 30              |
| 3  | Question Image   | A. a-180<br>B. 2a-180<br>C. 180-2a<br>D. 180-b                                     |
| 4  | $Ay-b=c-dy$ what is 'y' in terms of 'a', 'b' and 'c'?  | A. 30<br>B. $\frac{38}{2}$<br>C. $\frac{38}{3}$<br>D. $\frac{38}{5}$               |
| 5  | $0.027\sqrt[3]{90} = ?$  | A. 0.0003<br>B. 0.03<br>C. 3<br>D. 0.00003   |
| 6  | $\sqrt{256} \div \sqrt{64} = ?$  | A. $\frac{1}{4}$<br>B. $\frac{26}{8}$<br>C. 16<br>D. 4                             |
| 7  | The average height of five men is 68 inches. If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is                      | A. 68<br>B. 69<br>C. 70<br>D. 71   |
| 8  | 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<br>B. 400<br>C. 2000<br>D. 1000  |
| 9  | A and B can do a jobs in 6 days. If A does the job alone he takes 10 days.What will be time required by B to complete the job alone?   | A. 8<br>B. 6<br>C. 15<br>D. 3  |
| 10 | $224\sqrt[3]{0.88} = ? \times 1122$  | A. 20.02<br>B. 20.2<br>C. 19.3<br>D. 2.27  |
| 11 | 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<br>B. 90<br>C. 60<br>D. 30   |
| 12 | $\frac{5}{3} + \frac{7}{6} + \frac{9}{3} + \frac{7}{2} = ?$  | A. $\frac{28}{3}$<br>B. $\frac{112}{3}$<br>C. $\frac{28}{12}$<br>D. $\frac{14}{7}$ |
| 13 | $350 - -96 \div 18 = ?$  | A. 318<br>B. -132<br>C. 328<br>D. 232  |
| 14 | If $4x-y=13$ and $3x-2y=7$ then what is the average of 'x' and 'y'?  | A. 4<br>B. 3<br>C. 2<br>D. 6   |
| 15 | Four people are asked to stand in a straight line. In how many different orders can they line up?  | A. 12<br>B. 16<br>C. 24<br>D. 6  |

|    |   |  |
|----|---|--|
| 16 | $7 \times 21 \div 3 + 3 / 8 + 4 \times 2$   | A. 13<br>B. 17<br>C. 31<br>D. 1          |
| 17 | In a school there are 400 students , of whom 70% are boys. What is the number of girls? | A. 130<br>B. 200<br>C. 280<br>D. 2800    |
| 18 | How many cents will r books cost if t books cost m dollars ?                            |  |
| 19 | The value of $x^2 + 5x + 6$ at $x=2$ is:  | A. 10<br>B. 14<br>C. 18<br>D. 20         |
| 20 | $1 \frac{3}{4} - 1 \frac{3}{5} = ?$   | A. 0.16<br>B. 0.2<br>C. 0.15<br>D. 13/20 |