

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

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Sr	Questions	Answers Choice
1	If $x=7y+3$ and $z=49y^2$ then what is 'z' in terms of x?	A. X2 B. x <sup>2</sup> -3 C. (x-3) <sup>2</sup> /7 D. None
2	Which of the following is the sum of two consective prime numbers?	A. 66 B. 52 C. 41 D. 29
3	$(242 - 17)^2 - (7-5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
4	Find the value of x if 3:b=x:c.	A. 3b/c B. c/3b C. 2c/3b D. 3c/b
5	Question Image	A. 25/32 B. 7/8 C. 32/25 D. 11/10
6	2x2y when multiplied with $x^2 + y^2$ gives ?	A. 2x <sup>2</sup> y <sup>3</sup> + 2xy <sup>3</sup> B. 2x <sup>4</sup> y+ 2x <sup>2</sup> y<5xy>2y<5xy>2y<5xy>2+ 2x <sup>2</sup> y + 2x <sup>2</sup> y + 2x <sup>2</sup> y + 2x <sup>3</sup> y
7	What is the sum of money, of which 6% is 18 dollars?	A. 600 B. 200 C. 300 D. 10
8	Find the arithmetic mean of 25.2, 13.5, 18.5, and 34.8	A. 13 B. 23 C. 27 D. 5
9	If (36)(?)(7)=21, then ? equals	A. 21/43 B. 1/42 C. 1/12 D. 1/11
10	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. 2/3 B. 1/3 C. 2/5 D. 3/5
11	What is the number of 5% of which is 10 ?	A. 200 B. 100 C. 50 D. 10
12	A and B can do a job in 6 day. If A do the job alone he takes 10 days. What will be the time required by B to complete the job alone?	A. 8 B. 6 C. 15 D. 3
	In solving an arithmetic example, Donna, by mistake multiplied by 6 instead of dividing by 6.	A. 2 8/11 B. 5/66
13	If her answer was 13 1/5, what should be the correct answer to the example?	C. 2 1/5 D. 11/30
14	David receives his allowance on Sunday. He spends 1/4 of his allowance on Monday and 2/3 of the remainder on Tuesday. What part of his allowance is left for the rest of the week ?	A. 2/3 B. 4/5 C. 6/7 D. 1/4

15	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
16	Find the sum of money, 11% of which is Rs. 1650.	A. 150 B. 3300 C. 25000 D. 15000
17	0.007÷√0.000049	A. 1 B. 0.0049 C. 2 D. 7
18	If a train travels 5/6 mile in 1 1/4 minutes, how many miles will it travel in 1 hour?	A. 20 miles B. 50 miles C. 40 miles D. 30 miles
19	Which of the following is the sum of two consecutive prime numbers?	A. 66 B. 52 C. 41 D. 29
20	25% of 4÷ 4% of 25 =?	A. 1 B. 3 C. 0 D. 6