Quantitative Test for HEC HAT 2 Management Sciences and Business Education

Sr	Questions	Answers Choice
1	1/2 of 44÷ 2.2 =?	A. 20 B. 22 C. 44 D. 100
2	$(242 - 17)^2 - (7-5)^2$=?	A. 49000 B. 49200 C. 94200 D. 49400
3	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
4	How many tens are equal to the number whose hundreds, tens, and units digits are a,b,c, respectively?	A. b B. a+1/10b+1/100c C. 10a+b+c D. 10a+b+c/10
5	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
6	If x% of 60 =48, then x=?	A. 80 B. 60 C. 90 D. 40
7	If (p-3) (p+4) > (p-3)(p+8) , what is the best description of p?	A. p=3 B. -8<p<-5 C. p={ } D. p<3
8	$x\sqrt{0.09} = 3$: x =?	A. 10 B. 1/3 C. 1/10 D. 1
9	What is the sum of money, 6% of which is 18 dollars?	A. 600 B. 200 C. 300 D. 20
10	Find the ratio of 18 inches to 2 yards.	A. 3/4 B. 1/4 C. 1/5 D. 2/5
11	If x=7y+3 and $z=49y^2$ then what is 'z' in terms of x?	A. X2 B. x²-3 C. (x-3)²/7 D. None
12	$x^2 = 1681$, x=?	A. 31 B. 41 C. 51 D. 61
13	A car that gets 15 miles per gallon of gasoline can travel 250 miles on a full tank. If the same car got 20 miles per gallon, how many miles could it travel on a full tank?	A. 300 B. 750 C. 250 3/5 D. 333 1/3
14	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 B. 50 C. 60 D. 30
15	$(60)^2$=? x 72	A. 36 B. 3600 C. 40 D. 50

16	The average height of a class of 14 boys is 5.3 feet. A new boy admitted to the class, the new average of height now becomes 5.25. What is the height of the new boy ?	A. 4.55 B. 5.0 C. 6.0 D. 3.5
17	Question Image	A. b-180 B. b-90 C. 180-a/2 D. 180-a
18	If the redius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 40%
19	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
20	Find the ratio of 18 inches to 2 yards.	