

Quantitative Test for HEC HAT 2 Management Sciences and Business Education

Sr	Questions	Answers Choice
1	$(x+y)^2=25$ and $x^2+y^2=13$ then xy is equal to?	A. 16 B. 20 C. 18 D. 6
2	If $(x+1/x)^2=96$ what is the value of $x^2 + 1/x^2$?	A. 94 B. 98 C. 100 D. 90
3	If $a^2 - b^2 = 36$ and $a-b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $3/2$
4	The value of $\{0.5^4 - 0.4^4\} / \{0.5^2 + 0.4^2\}$ is?	A. 0.9 B. 0.09 C. 0.19 D. 0.31
5	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^2 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2xy^2 + 2x^2y^3$ D. $2xy^3 + 2x^3y$
6	If $2x + y + 11$ and $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
7	The value of $x^2 + 5x + 6$ at $x=2$ is:	A. 10 B. 14 C. 18 D. 20
8	If $x + 3y = 7$ and $2x + y = 5$ then value x/y is?	A. $1/2$ B. $1/3$ C. $2/5$ D. $8/9$
9	If $x + 2y = 11$ and $x + y = 10$ the value of y is:	A. 1 B. 2 C. 3 D. 4
10	$x + y = 17$ and $x=2$, then value of y ?	A. 13 B. 15 C. 19 D. 10
11	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
12	$0.007 \div \sqrt{0.000049}$	A. 1 B. 0.0049 C. 2 D. 7
13	$1 \frac{3}{4} - 1 \frac{3}{5} = ?$	A. 0.16 B. 0.2 C. 0.15 D. $13/20$
14	$72 + 679 + 1439 + 537 + ? = 4036$	A. 1309 B. 1208 C. 2308 D. 2423

15	$(242 - 17)^2 - (7-5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
16	If x% of 60 = 48, then x = ?	A. 80 B. 60 C. 90 D. 40
17	25% of 4 ÷ 4% of 25 = ?	A. 1 B. 3 C. 0 D. 6
18	$0.027\sqrt{90} = ?$	A. 0.0003 B. 0.03 C. 3 D. 0.00003
19	$(60)^2 = ? \times 72$	A. 36 B. 3600 C. 40 D. 50
20	$x\sqrt{0.09} = 3: x = ?$	A. 10 B. 1/3 C. 1/10 D. 1
21	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	A. 20.7 B. 21 7/8 C. 1.47 D. 31.7
22	$\sqrt{169} / 196 \times 14 / \sqrt{1521} = ?$	A. 13/42 B. 1/13 C. 42/5 D. 1/42
23	$224\sqrt{0.88} = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
24	$2244 - 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
25	$\sqrt{?}/16 = 0.5$	A. 8 B. 12 C. 32 D. 64
26	$7 \times 21 \div 3 + 3 / 8 \div 4 \times 2$	A. 13 B. 17 C. 31 D. 1
27	$72/3 \div 18/6 = ?$	A. 72 B. 8 C. 18 D. 48
28	Change $4 \frac{4}{2}$ to an improper fraction:	A. 14/3 B. 11/3 C. 24/3 D. 10/3
29	$11/3 + 8/3 + 17/3$	A. 14 B. 12 C. 11 D. 15
30	$(190)^2 - (150)^2 = ?$	A. 58600 B. 13600 C. 1360 D. 1600