

Quantitative Test for HEC HAT 1 Engineering & IT

Sr	Questions	Answers Choice
1	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	A. 20.7 B. 21 7/8 C. 1.47 D. 31.7
2	$\sqrt{169} / 196 \times 14 / \sqrt{1521} = ?$	A. 13/42 B. 1/13 C. 42/5 D. 1/42
3	$224 \sqrt{0.88} = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
4	$2244 - 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
5	$\sqrt{?/16} = 0.5$	A. 8 B. 12 C. 32 D. 64
6	$7 \times 21 \div 3 + 3 / 8 \div 4 \times 2$	A. 13 B. 17 C. 31 D. 1
7	$72 / 3 \div 18 / 6 = ?$	A. 72 B. 8 C. 18 D. 48
8	Change $4 \frac{4}{2}$ to an improper fraction:	A. $\frac{14}{3}$ B. $\frac{11}{3}$ C. $\frac{24}{3}$ D. $\frac{10}{3}$
9	$11/3 + 8/3 + 17/3$	A. 14 B. 12 C. 11 D. 15
10	$(190)^2 - (150)^2 = ?$	A. 58600 B. 13600 C. 1360 D. 1600
11	$7/3 \div 35/18 \div 54/20 = ?$	A. $\frac{49}{4}$ B. $\frac{4}{9}$ C. $\frac{4}{63}$ D. $\frac{81}{35}$
12	$1/2 \text{ of } 44 \div 2.2 = ?$	A. 20 B. 22 C. 44 D. 100
13	$12\% \text{ of } x = 360$	A. 250 B. 100 C. 400 D. 3000
14	$Z + 1/Z = 2 ; Z = ?$	A. 2 B. 1 C. 1/2 D. 1 1/2
15	$? \times 12 = 75\% \text{ of } 336$	A. 48 B. 252 C. 28 D. 21

- 16 $(580 \times 12) - (645 \times 5) / 50 \times 10 = ?$ A. 7.47
B. 3725
C. 74.7
D. 4450
- 17 $1764 \div 17.64 / 0.5$ A. 100
B. 20
C. 0.2
D. 200
- 18 $(44 \times 3) + 128 + 120 / 9.5 - 94.7$ A. 380
B. 10
C. 76.12
D. 100
- 19 $(160 - 130)(270 - 240) / 2250 \div 50 = ?$ A. 4/3
B. 2/3
C. 45
D. 20
- 20 $(60)^2 = ? \times 72$ A. 3600
B. 3528
C. 0.02
D. 50
- 21 $5/3 + 7/6 + 9/3 + 7/2 = ?$ A. 28/3
B. 112/3
C. 28/12
D. 14/7
- 22 $(60)^2 = ? \times 7$ A. 3600
B. 3528
C. 0.02
D. 50
- 23 $3/4$ of 432 = ? A. 340
B. 232
C. 324
D. 316
- 24 $350 - -96 \div 18 = ?$ A. 318
B. -132
C. 328
D. 232
- 25 $9218 - 3546 + 2354 = ?$ A. 8026
B. 8116
C. 10410
D. 23174
- 26 $816 - 288 \div 24 = ?$ A. 22
B. 828
C. 528
D. 804
- 27 $\sqrt{256} \div \sqrt{64} = ?$ A. 1/4
B. 26/8
C. 16
D. 4
- 28 $2.08 - (0.5)^2 = ?$ A. -1.20
B. 1.88
C. 1.83
D. 2.16
- 29 $x^2 = 1681, x=?$ A. 31
B. 41
C. 51
D. 61
- 30 $1250 \div 25 \times 0.5 = ?$ A. 25
B. 50
C. 2.5
D. 100
- 31 Change $27/7$ to a mixed number. A. $6 \frac{1}{3}$
B. $7 \frac{1}{2}$
C. $3 \frac{6}{7}$
D. $2 \frac{1}{7}$
- 32 A 4 cm cube is cut into 1 cm cubes. What is the percentage increase in the surface area after such cutting ? A. 4%
B. 300%
C. 75%
D. 400%
- 33 If the sum of the interior angles of a regular polygon measures up to 1440 degrees, how many sides does the polygon have ? A. 10 sides
B. 8 sides
C. 12 sides

many sides does the polygon have ?

D. 12 sides
D. 9 sides

- 34 If the area of two circles are in the ratio $169 : 196$ then ratio of their radii is
A. $13 : 11$
B. $10 : 13$
C. $14 : 13$
D. $13 : 14$

- 35 Question Image
A. 50 m
B. 64 m
C. 72 m
D. 84 m

- 36 Question Image
A. 24
B. $12\sqrt{2}$
C. $16\sqrt{2}$
D. 48

- 37 Question Image
A. 30
B. 39
C. 80
D. 78

- 38 Question Image
A. 5
B. **10**
C. 110
D. 125

- 39 Question Image
A. 55
B. 70
C. 110
D. 125

- 40 Question Image
A. 40
B. 50
C. 90
D. 130