HCF AND LCM QUESTIONS

Q 1. H.C.F. of 513, 1134 and 1215 is _____

a. 18

b. 27

c. 33

d. 36

Correct Option: (b)

Q 2. Find the least number which is exactly divisible by 12, 15, and 20.

a. 40

b. 50

c. 60

d. 80

Correct Option: (c)

Q 3. Find the largest number of 4-digits divisible by 12, 15 and 18.

a. 9900

b. 9750

c. 9450

d. 9000

Correct Option: (a)

Q 4. Find H.C.F. of 0.63 and 1.05

a. 0.21

b. 0.28

c. 0.56

d. 0.84

Correct Option: (a)

Q 5. Find L.C.M. of 1.05 and 2.1

a. 1.3

b. 1.25

c. 2.1

d. 4.30

Correct Option: (c)

Q 6. Calculate H.C.F. of 2/3, 16/81, 8/9.

a. 2/9

b. 8/3

c. 2/81

d. 3/16

Correct Option: (c)

Q 7. Find L.C.M. of 2/3 , 8/9, 64/81 , 10/27..

a. 250/9

b. 160/3

c. 128/9

d. 320/3

Correct Option: (d)

Q 8. H.C.F. of two numbers is 13. If these two numbers are in the ratio of 15: 11, then find the numbers.

a. 230, 140

b. 215, 130

c. 195, 143

d. 155, 115

Correct Option: (c)

Q 9. If the product and H.C.F. of two numbers are 4107 and 37 respectively, then find the greater number.

a. 111

b. 222

c. 332

d. 452

Correct Option: (a)

Q 10. Find the sum of two numbers, which are greater than 29 and have H.C.F. and L.C.M. of 29 and 4147 respectively.

a. 858

b. 696

c. 1050

d. 4147

Correct Option: (b)

Q 11. Find the greatest number, which on dividing 1657 and 2037 leaves remainders 6 and 5 respectively.

a. 127

b. 132

c. 114

d. 108

Correct Option: (a)

Q 12. Find the least number, which when divided by 12, 15, 20 and 54 leaves a remainder of 8 in each case.

a. 548

b. 540

c. 532

d. 524

Correct Option: (a)

Q 13. Find the least number which when divided by 5, 6, 7 and 8 leaves a remainder 3, but when divided by 9 leaves no remainder.

a. 1963

b. 2523

c. 1683

d. 1536

Correct Option: (c)

Q 14. The traffic lights at three different road crossings change after every 40 sec, 72 sec and 108 sec respectively. If they all change simultaneously at 5 : 20 : 00 hours, then find the time at which they will change simultaneously.

a. 5 : 28 : 00 hrs

b. 5 : 30 : 00 hrs

c. 5 : 38 : 00 hrs

d. 5 : 40 : 00 hrs

Correct Option: (b)

Q 15. A rectangular courtyard 4.55 meters long and 5.25 meters wide is paved exactly with square tiles of same size. Find the largest size of the tile used for this purpose?

a. 25 cm

b. 45 cm

c. 21 cm

d. 35 cm

Correct Option: (d)

Q 16. 5 bells commence tolling together and toll at intervals 2, 4, 6, 8 and 10 seconds respectively. Find in 40 minutes, how many times do they toll together?

a. 8 times

b. 19 times

c. 21 times

d. 30 times

Correct Option: (c)

Q 17. John, Smith and Kate start at same time, same point and in same direction to run around a circular ground. John completes a round in 250 seconds, Smith in 300 seconds and Kate in 150 seconds. Find after what time will they meet again at the starting point?

a. 30 min

b. 25 min

c. 20 min

d. 15 min

Correct Option: (b)

Q 18 Find the L.C.M. of 72, 108 and 2100.

a. 38800

b. 37800

c. 38880

d. 37870

Correct Option: (b)

Q 19 Find the L.C.M. of 16, 24, 36, 54.

a. 432

b. 426

c. 428

d. 434

Correct Option: (a)