Wipro Placement Papers

<u>Aptitude Questions</u>
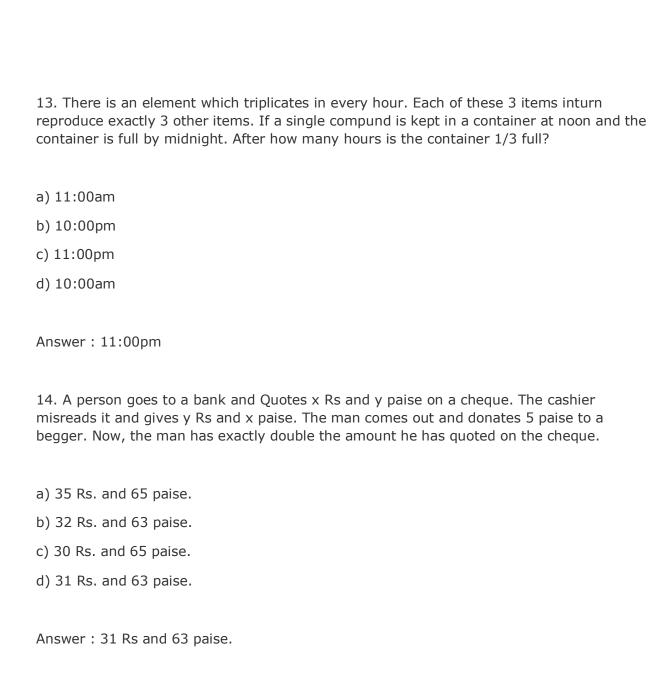
1. 12 members were present at a board meeting. Each member shook hands with all of the other members before & after the meeting.How many hand shakes were there?

a) 130

b) 134

c) 132

d) 135

Answer : 132

2. An emergency vehicle travels 10 miles at a speed of 50 miles per hour.How fast must the vehicle travel on the return trip if the round-trip travel time is to be 20 minutes?

a) 75 miles per hour

b) 70 miles per hour

c) 65 miles per hour

d) 80 miles per hour

Answer : 75 miles per hour

3. Mary and John can do a piece of work in 24 days; John and Vino in 30 days; Vino and Mary in 40 days. If Mary, John and Vino work together they will complete the work in :

a) 10 days

b) 20 days

c) 17 days

d) 15 days

Answer : 20 days.

4. My friend collects antique stamps. She purchased two, but found that she needed to raise money urgently. So she sold them for Rs. 8000 each. On one she made 20% and on the other she lost 20%. How much did she gain or lose in the entire transaction?

a) She lost Rs 500.67

b) She lost Rs 666.67

c) She gain Rs 666.67

d) She gain Rs 500.67

Answer : She lost Rs 666.67

5. Find the sum of the first 50 common terms of 12,16,20,... and 18,24,30,....

a) 15900

b) 12700

c) 19990

d) 18400

Answer : 15900

6. The time showed by an analog clock at a moment is 11 am then 1234567890 hours later it will show the time as:

a)11am

b)11pm

c)5am

d)4pm

Answer : 5am

7. Square of two more than a two digit number is multiplied and divided by 2 and 5 respectively. If twice of the result is equal to 500 then find the number?

a) 45

b) 23

c) 87

d) 47

Answer : 23

8. Name any two models of SDLC (Software Design Life Cycle) ?

a) Water Fall Mode

b) Spiral Model

c) a and b

d) none of these

Answer : Water Fall Model and Spiral Model.

9. Find X when X - Y = 3 and $X2 + Y2 = 89$ where X and Y are integers.

a) 10

b) -5

c) -10

d) -3

Answer : -5

10. Find the value of P when the line through the points (2,2) and (5,7) is perpendicular to the line 3x+Py-9=0.

a) 3/5

b) 5

c) 5/3

d) 3

Answer : 5

11. Find the missing number in 25, 38, _, 64, -27, 90

a) -1

b) 51

c) 39

d) -32

Answer : -1

12. What is the sum of the irrational roots of the equation (x-1)(x-3)(x-5)(x-7)=9 ?

a) 10

b) 8

c) 6

d) 4

Answer : 8

13. There is an element which triplicates in every hour. Each of these 3 items inturn reproduce exactly 3 other items. If a single compund is kept in a container at noon and the container is full by midnight. After how many hours is the container 1/3 full?

a) 11:00am

b) 10:00pm

c) 11:00pm

d) 10:00am

Answer : 11:00pm

14. A person goes to a bank and Quotes x Rs and y paise on a cheque. The cashier misreads it and gives y Rs and x paise. The man comes out and donates 5 paise to a begger. Now, the man has exactly double the amount he has quoted on the cheque.

a) 35 Rs. and 65 paise.

b) 32 Rs. and 63 paise.

c) 30 Rs. and 65 paise.

d) 31 Rs. and 63 paise.

Answer : 31 Rs and 63 paise.

15. If $dy = [(secx - y) / tanx)]dx$, then the curve is:

a) $y = x(sinx)$

b) $y = x(cosx)$

c) $y = x(secx)$

d) $y = x(cosecx)$

Answer : $y = x(cosecx)$

16. A can do a piece of work in 100 days, B and C together can do the same work in 20 days. If B can do the work in same time as that of C and A together then how long C alone can do the same work?

a) 100 days

b) 50days

c) 25days

d) 20 days

Answer : 50 days

17. If PREVENTION is coded as DWDSOOSJNO then how will CONTENTION will be coded ?

a) DUBPMOSJON

b)DUMPBOSJNO

c)OSJDUMPBON

d)JDMUNOSBOP

Answer : DUMPBOSJNO

18. Unnikrishnan is a famous singer from South India. One should never miss to hear his mellifluous melodies. Question : Pick an appropriate synonym for mellifluous.

a) Sad

b) Nostalgic

c) Pleasant

d) Priceless

Answer: Pleasant.

19. All of the students at a college are majoring in psychology, business, or both. 73% of the students are psychology majors, & 62% are business majors. If there are 200 students, how many of them are majoring in both psychology & business?

a) 75

b) 80

c) 70

d) 70

Answer : 70

18. Grass in lawn grows equally thick and in a uniform rate. It takes 24 days for 70 cows and 60 for 30 cows . How many cows can eat away the same in 96 days?

a) 18

b) 20

c) 21

d) 19

Answer : 18

19. There is a certain four digit number whose fourth digit is twise the first digit.Third digit is three more than second digit.Sum of the first and fourth digits twise the third number.What was that number ?

a) 2034

b) 4368

c) a and b

d) None of these

Answer : 2034 and 4368

20. A theif steals half the total no of loaves of bread plus 1/2 loaf from a backery. A second theif steals half the remaing no of loaves plus 1/2 loaf and so on. After the 5th theif has stolen there are no more loaves left in the backery. What was the total no of loaves did the backery have at the biggining?

a) 35

b) 41

c) 28

d) 31

Answer : 31

21. A person needs 6 steps to cover a distance of one slab. if he increases his foot length(step length) by 3 inches he needs only 5 steps to cover the slabs length. what is the length of the each slab?

a) 31 inches

b) 24 inches

c) 26 inches

d) 43 inches

Answer : 31 inches

22. A lorry starts from Banglore to Mysore at 6.00 A.M,7.00am.8.00 am.......10 pm. Similarly one another starts from Mysore to Banglore at 6.00 am,7.00 am, 8.00 am...... 10.00pm. A lorry takes 9 hours to travel from Banglore to Mysore and vice versa.

(i) A lorry which has started at 6.00 am will cross how many lorries.

(ii) A lorry which had started at 6.00pm will cross how many lorries.

a) 12 lorries and 14 lorries

b) 10 lorries and 14 lorries

c) 14 lorries and 10 lorries

d) 14 lorries and 12 lorries

Answer : 10 lorries and 14 lorries

23. A garrison of 3300 men has provisions for 32 days, when given at a rate of 850 grams per head. At the end of 7 days a reinforcement arrives and it was found that now the provisions will last 8 days less, when given at the rate of 825 grams per head.How, many more men can it feed?

a) 1700 men

b) 1800 men

c) 2000 men

d) 2500 men

Answer : 1700 men

24. From 5 different green balls, four different blue balls and three different red balls, how many combinations of balls can be chosen taking at least one green and one blue ball?

a) 3720

b) 3890

c) 3520

d) 3600

Answer : 3720

25. Three pipes, A, B, and C are attached to a tank. A and B can fill it in 20 and 30 minutes respectively while C can empty it in 15 minutes.If A, B & C are kept open successively for 1 minute each, how soon will the tank be filled?

a) 167 minutes

b) 177 minutes

c) 188 minutes

d) 196 minutes

Answer : 167 minutes