ValueLabs Arithmetic Paper Questions and Answers

Q1. As salary is 33 1/3 % more than B. By how much is Bs salary less than A?

ANS: 25%

Q2. An m bit hamming code, it can correct..

A) Errors upto m bits
B) Errors upto m/2 bits
C) 2m bits
D) Greater than m bits.

Q3. The   following is a data interpretation problem it is a table with a population in diff countries in 1985 there are 3 quest

A) UK
B) 1044000
C) INC OF 84900

Q4. Average of x & y is 12 if z is 9 what is the average of x, y, z

A) 11
b) 6.5
c) 5
d) Data missing

Q5. A software comp was advertised to recruit people with exposure to C and C++. 241 applications were received and on sorting out it was found that 40 of them dont have exposure to c and c++. 180 of them had exposure to c and 186 of them had exposure to c++ .how many of them had exposure to c only

A) 165
b) 15
c) 180
d) 150

Q6. There are 200 employees in a company. An external vendor is chosen to serve coffee twice a day. 100 coffee cups were offered by the company but as an incentive to have the cups in tact at the end of the day the company offered 30 paise for every cup remained safely and charged 90 paise for every broken cup. At an end of a day, the vendor received Rs. 4. How many cups did the vendor break?

    a) 20
    b) 5
    c) 10
    d) 8

ANS: D

Q7. A box contains 16 balls of 4 different colors green, blue, yellow and red ? 4 each. If you were to close your eyes and pick them at random, how many marbles must you take out to be sure that at least 2 of 1 color among the marbles picked out?

    a) 4
    b) 5
    c) 6
    d) 14

ANS: A

Q8. There are 2 toy cars facing each other at a distance of 500 cm from each other. Each car moves forward by 100 cm at a speed of 50 cm/s and then moves backward by 50 cm at a speed of 25 cm/s. How long will it take for the cars to collide?

    a) 12s
    b) 14s
    c) 16s
    d) 13s

Q9. In a digital circuit which was to implement (A B) + (A)XOR(B), the designer implements (A B) (A)XOR(B) What is the probability of error in it ?

Q10. A boy has Rs 2. He wins or loses Re 1 at a time If he wins he gets Re 1 and if he loses the game he loses Re 1.He can loose only 5 times. He is out of the game if he earns Rs 5. Find the number of ways in which this is possible?

ANS: 16

Q11. If there are 1024*1280 pixels on a screen and each pixel can have around 16 million colors Find the memory required for this?

ANS: 4MB

Q12. A brick size is 8" x 6". An L shaped wall has to be built with width of 4, other two dimensions are 21 and 7. Find no of Bricks required.

Q13. Ratio of base and heights of a cone and cylinder is given. Find ratio of their curved surfaces.

Q14. A works thrice as much as B. If A takes 60 days less than B to do a work then find the number of days it would take to complete the work if both work together?

ANS: 221/2days

Q15. In 60 reams of paper 40 reams were utilized then what percent will remain...

ANS: 33.33%