12. A number is **fascinating** if adding the sum of the digits and product of the digits gives the same interesting number. How many numbers from 10 to 20 are **fascinating**?

13. The ratio of number of male and female journalists in a newspaper office is 5:4. The newspaper has two sections, politics and sports. If 20 % males and 50% females are covering political news, what % of journalists are covering sports news?

Section IV

SQL & Linux

Use the below tables for Questions 14-18.

Table EMPLOYEE

Name	Dep Id	Salary
Apeksha	1	8000
Shikha	2	5000
Ananya	3	1000
Neha	3	7000
Esha	4	2000
Nidhi	5	5500

Table DEPARTMENT

Dep Id	Dep Name
1	Engineering
2	Accounts
3	Sales
4	HR
5	Logistics

14. Write a SQL query to insert a new employee department "Service" with Dep Id as 6.
15. Write a SQL query to display the details of employees whose department Id (Dep Id) is an odd number. <u>Note:</u> Do not use "=1 or =3 or =5"
16. Write a SQL query to print the names of employees whose salary is greater than 5000 and display the output in descending order based on their Department ID's.
17. Write a SQL query to display the all details of employees whose names begin and end with a vowel.
18. Write a SQL query to terminate/remove all the employees belonging to the "Accounts" department.
19. Specify the use of the following Linux commands:
    A. ls
    B. man
    C. chmod
    D. grep
20. Write Linux commands for the following:
    A. Display last 20 lines of a file named "Showme.txt".
    B. Display a message "Hello Amazon!" on the screen.
    C. Create a new file named "Test.txt".
    D. Find a specific word say "Flipkart" and replace it with "Amazon".

Section V

1. Describe in brief about why you have chosen this industry and why you want to join Amazon?

[Please write your answer in the answer sheet provided and not here]

3. Which of the following is a correct ranking of 1-person households, 3-person households, and 5-person households based on the total number of people living in such households, from least to greatest number of people?
   A. 1-person households, 3-person households, 5-person households
   B. 1-person households, 5-person households, 3-person households
   C. 3-person households, 1-person households, 5-person households
   D. 3-person households, 5-person households, 1-person households
   E. 5-person households, 3-person households, 1-person households

Section II

Logical Reasoning

4. In a True/False quiz, 4 marks are awarded for each correct answer and 1 mark is deducted for each wrong answer. Tyrion, Jon and Sansa answered the same 10 questions, and their answers are given below in the same sequential order.

Tyrion	T	T	F	F	T	T	F	T	T	F
Jon	T	T	T	F	F	T	F	T	T	F
Sansa	T	T	T	T	F	F	T	F	T	T

If Tyrion and Jon both score 35 marks each, then Sansa's mark will be:

5. 10 years ago, the ages of the member of a joint family of 8 members added up to 232 years. Three years later, one member died at the age of 60 years and a child was born during the same year. After another three years, one more member died, again at 60, and a child was born during the same year. What is the current average age of the entire family?

6. 6 cubical boxes A, B, C, D, E and F are arranged one above the other vertically. The boxes are arranged subject to following conditions:
   - The number of boxes above F is the same as the number of boxes below C
   - E is the only box below B
   - A is not the top-most box

   In how many ways can the boxes be arranged?

Section III

Quantitative Aptitude

7. A dice is rolled twice. What is the probability that the number in the second roll will I higher than that in the first?

8. If decreasing 70 by 'X' percent results in the same number as increasing 60 by 'X' percent then what is 'X' percent?

9. 3 pens, 5 pencils and 7 erasers cost Rs. 80 while 5 pens, 8 pencils and 12 erasers cost Rs. 120. Find the cost (in Rs.) of 3 pens, 6 pencils and 6 erasers.

10. If there are 200 balls in a bag out of which 99% are red balls, how many red balls will you remove so that out of the remaining balls in the bag, only 98% are red balls?

11. A tank is filled in 7 hours by three pipes A, B, C and D. The pipe D is twice as fast as C, C is twice as fast as B and B is twice as fast as A. How much time will pipe A alone take to fill the tank?

12. A number is **fascinating** if adding the sum of the digits and product of the digits gives th same *interesting* number. How many numbers from 10 to 20 are **fascinating**?

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SQL & Linux

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