Course Name: MCA
Paper Name: Statistical Methods (MCAE204)
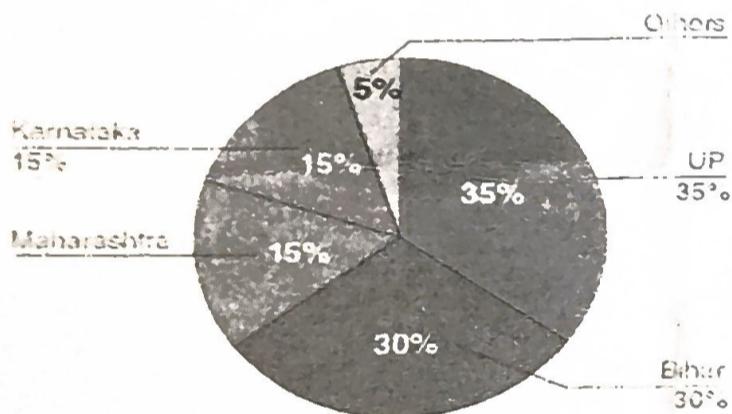**Year of admission: 2024**
Exam: Mid Term

Time: One Hour   **Max. Marks: 30**

1. Let there is a series 19, 36, 79, 31, 18, 43, 48, 27, 56, 40, 22, 34, 45, 23. Find out the first quartile, third quartile, median and Interquartile range. Also draw the box plot. (1+1+1+1+2)

2. Two dies are thrown simultaneously and the sum of the numbers obtained is found to be 8. What is the probability that the number 3 has appeared at least once?   (6)

3. The following pie chart shows the percentage of users of a particular app.

if there are total of 20 lakhs users, then answer the following:

(i) How many total users are there from Karnataka, Bihar and Maharashtra?

(ii) What is the central angle for UP app users?   (3+3)

4. Given N=100, (A)=60, (B)=50, (AB)=25. Examine for attributes A and B are independent / positively associated / negatively associated?   (6)

5. What do you mean by Ogive? Discuss with an example.   (6)

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