Name of the Course   : B.A.(P)                                    Semester: 2

Name of the Paper   : Basic Statistics for Economics      Faculty Name : Nikita Gupta

Duration                  :                                              Maximum Marks:  12

Date of Assignment Submission: 04.04.2024

Attempt all Questions.

Q1. i) Two dice are tossed. Find the probability of getting an even number on the first dice or a total of 7?

ii) The contents of urns I. II, III, IV are as follows:

> 1 white, 2 black and 3 red balls,
>
> 2 white, 1 black and 2 red balls,
>
> 4 white, 1 black and 5 red balls, and
>
> 3 white, 5 black and 4 red balls

One urn is chosen at random and two balls drawn from it. They happen to be white and black. What is the probability that they come from urn 2?                    (2+4)

Q2. The following table contains data on scores and gender of 15 students:

| Score | Gender |
|-------|--------|
| 64 | Male |
| 66 | Female |
| 76 | Male |
| 73 | Female |
| 74 | Female |
| 81 | Female |
| 83 | Male |
| 82 | Male |
| 80 | Female |
| 88 | Female |
| 84 | Male |
| 82 | Male |
| 91 | Female |
| 93 | Male |
| 89 | Female |

Summarize the data with the help of visual methods and summary statistics. (Separately analyze each variable: Summary statistics include measures of central tendency and dispersion)

**Faculty Signature: Nikita Gupta**