# INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DHARWAD

## QUIZ-II

### DS101 MATHEMATICS FOR DATA SCIENCE

Date: 25-02-2021          Duration: 45 minutes          Max. Marks: 10          Reg. No.:

**Note:**
- *Clearly mention the assumptions made (if any) in derivations or solving problems.*
- *Answer all questions, briefly to the point. All questions carry equal marks.*

| 49 | 57 | 38 | 73 | 81 |
| 74 | 59 | 76 | 65 | 69 |
| 54 | 56 | 69 | 68 | 78 |
| 65 | 85 | 49 | 69 | 61 |
| 48 | 81 | 68 | 37 | 43 |
| 78 | 82 | 43 | 64 | 67 |
| 52 | 56 | 81 | 77 | 79 |
| 85 | 40 | 85 | 59 | 80 |
| 60 | 71 | 57 | 61 | 69 |
| 61 | 83 | 90 | 87 | 74 |

Show the above raw data:

(i) Frequency distribution (ii) Relative frequency (iii) Histogram (iv) Frequency polygon (v) Ogive curve (vi) Stem and leaf curve (vii) P25, P50, P75, and P90 (viii) D2, D5, and D8 (ix) Shape of the distribution and (X) Standard deviation.