Indian Statistical Institute

Bangalore

MS(QMS) First Year
First semester – Statistics for Decision Making 1

Duraion : 2 Hr.s   **Mid-Semester Exam**   **Date: 15th September 2017**

Note: Answer as much as you can. Maximum you can score is 50. Use of calculator allowed.

1. The following data gives the scores obtained by students in the final MBA exam. :

71	87	82	64	72	75	91	69
76	79	65	68	80	73	85	71
70	81	54	62	81	84	77	73
82	74	74	73	89	72	81	65
74	58	64	68	73	82	69	71

    Construct the following using the above data:
    a) Dot Plot
    b) Histogram, and
    c) Box and Whisker Plot   [20]

2. The following is the data on height of 30 students (in Cm.):

166.5	165.5	165.1	169.2	164.1	165.7
170.2	167.5	168.4	165.9	167.1	168.1
166.8	162.9	167.8	161.2	167.5	164.9
166.4	162.1	168.0	165.0	166.1	167.7
163.6	165.6	165.6	162.1	168.8	164.2

    Find out The Mean, Standard Deviation, Mean Deviation, Skewness and Kurtosis.   [20]

3. Illustrate different ways of presenting Statistical Data.   [10]

4. What are different Parts of a Statistical Table? Illustrate.   [10]

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