

S.D.E.

M.B.A. (IT) SEM – II (2010 COURSE) (3 YEAR COURSE) :

SUMMER - 2018

SUBJECT : DATA ANALYSIS FOR MANAGEMENT

Day : Wednesday

S-2018-4541

Time : 02.00 P.M. TO 05.00 P.M.

Date : 06/06/2018

Max. Marks : 70

N.B.

- 1) Attempt any **FOUR** questions from Section – I and any **TWO** questions from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in the **SEPARATE** answer books.

**SECTION – I**

- Q.1** Distinguish between Primary and Secondary data. Give a brief account of chief methods of collecting Primary data and bring their merits and defects. (10)
- Q.2** Describe and enumerate the different Data Sorting Techniques. (10)
- Q.3** Discuss the various methods that are used for graphical representation of frequency distribution. (10)
- Q.4** What does a measure of Central tendency indicate? Comment. (10)
- Q.5** Explain the various components of Time Series. (10)
- Q.6** Write note on any TWO (10)
- a) Poisson and Normal Distributions
  - b) Data Management and Analysis
  - c) Data Mining and Data Filtering

**SECTION – II**

- Q.7** “Experimental method of research is not suitable in management field” (15)  
Discuss and state the problems involved in introducing this research design in a business organization.
- Q.8** In a bolt factory machines  $M_1$ ,  $M_2$ ,  $M_3$  manufacture respectively 25, 35 and 40 (15)  
per cent of the total output. Of the total output 5, 4 and 2 percent respectively are defective bolts. One bolt is drawn at random from the product and is found to be defective, what is the probability that it is manufactured in machine  $M_2$ ?
- Q.9** Describe briefly the construction of Histogram and Frequency polygon of a (15)  
frequency distribution and state their uses.  
Prepare Histogram and a Frequency Polygon from the following data:  
Class: 0-6    6-12    12-18    18-24    24-30    30-36  
 $f$  :    4        8        15        20        12        6

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