

S.D.E.

M.B.A. (I.T.) SEM-II (2013 COURSE) : SUMMER - 2018

SUBJECT: DATA ANALYSIS FOR MANAGEMENT

Day: Wednesday
Date: 06/06/2018

S-2018-4521

Time: 02.00 P.M. TO 05.00 P.M.
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 book.
- 4) Use of non-programmable **CALCULATOR** is allowed.
- 5) Graph papers will be provide on request.

SECTION-I

Q.1 Explain the applications of data management and analysis in brief. (10)

Q.2 Draw Histogram and frequency polygon for the following data: (10)

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70
No. of Students	20	30	50	70	35	30	15

Q.3 What is secondary data? Discuss the various data collection methods. (10)

Q.4 From the following data, compute the arithmetic mean and median. (10)

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	5	10	25	30	20	10

Q.5 Discuss in brief the Binomial Distribution. (10)

Q.6 Write short notes on any **TWO** of the following: (10)

- a) Data Mining
- b) DBMS
- c) Controlled experiment

P. T. O.

SECTION-II

- Q.7** Compute the coefficient of correlation from the following data and comment (15)
on result.

X	100	200	300	400	500	600	700
Y	30	50	60	80	100	110	130

- Q.8** Given below is the score of two batsmen A and B in 10 innings, find which (15)
batsman is more consistent in their score.

A	40	54	50	53	56	58	52	50	40	45
B	70	85	40	32	68	62	59	57	49	56

- Q.9** The following table gives the aptitude test scores and productivity indices of (15)
10 workers selected at random:

Aptitude Test Scores (X)	Productivity Index (Y)
60	68
62	60
65	62
70	80
72	85
48	40
53	52
73	62
65	60
82	81

Calculate the two regression equations.

Find Productivity Index (Y) when the Aptitude Test Score (X) is 75.

* * * *