

S.D.E.
M.B.A. (I.T.) Sem-II (2013 Course) : WINTER - 2018
SUBJECT: DATA ANALYSIS FOR MANAGEMENT

Day: Monday
Date: 03/12/2018

W-2018-4690

Time: 02.00 PM TO 05.00 PM
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 What is primary data? Explain various data collection methods in brief. **(10)**

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

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	10	15	18	30	20	15	5

Q.3 Calculate median and mode of the data given below: **(10)**

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	8	20	45	35	25	10

Q.4 Calculate the trend values by the method of 4- yearly moving averages. **(10)**

Year	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Production	464	515	518	467	502	540	557	571	586	612

Q.5 Write short notes on any **TWO** of the following: **(10)**

- a) Data retrieval methods
- b) Applications of data management
- c) Baye's theorem

Q.6 Explain the Binomial Distribution in detail. **(10)**

P. T. O.

SECTION-II

Q.7 Obtain regression equation of Y on X and estimate Y when X = 55 from the following: **(15)**

X	40	50	38	60	65	50	35
Y	38	60	55	70	60	48	30

Q.8 From the prices of shares of X and Y below. Find out which is more stable. **(15)**

X	40	54	50	53	56	58	52	50	40	45
Y	108	107	105	105	106	107	104	103	104	101

Q.9 Following table gives the birth rate per thousand of different countries over a certain period. **(15)**

Country	Birth Rate
India	33
Germany	16
U. K.	20
China	40
New Zealand	30
Sweden	15

Represent the above data by a Bar diagram.

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