

SVKM's NMIMS

School of Distance Learning

Programme: PGDBM/PGDITM/PGDSCM

Academic Year :2012 - 2013

Subject : Business Statistics

Date: 3.1.2013

Semester: III

Course: New

Marks: 70

Time: 3:00 p.m to 6:00 p.m

Instructions:

Candidate should read carefully the instructions printed on the question paper and on the cover of the answer book which is provided for their use.

NB:

1. All 4 questions to be attempted
2. Candidates should attempt questions as per the internal options available.
3. Use of non programmable calculator, Statistical Tables (Area under Normal Curve) permissible

Q.1. Answer **any two** questions out of four.

(10Marks)

a) Find Coefficient of Variation for the following data.

Class Interval	0 – 5	5 – 10	10 – 15	15 – 20	20 – 25	25 – 30	30 – 35
Frequency	25	20	20	14	7	2	1

b) Represent the following frequency distribution by a histogram.

Class Interval	0 – 10	10 – 15	15 – 30	30 – 40	40 – 60	60 – 80	80 – 90	90 – 100
Frequency	8	10	36	44	52	20	16	10

c) Decide using coefficient of variation which group gave more consistent performance from the marks provided below.

Group A :- 23, 29, 27, 22, 24, 21, 25, 26, 27, 24

Group B :- 27, 34, 30, 29, 28, 30, 34, 35, 28, 29

d) Calculate Rank correlation Coefficient for the following data

X	75	60	60	73	55	57	53	72	65	69
Y	65	65	64	70	58	60	58	68	63	65

