Total No. of Questions : 07] **[SET-A]** **[Total No. of Printed Page : 02**

FINAL EXAMINATION – JULY 2017

MBA / PGDBM

First Year - First Semester

Quantitative Method

MBA/PGDBM

Time : 3 Hours **Max Marks : 70**
Min. Marks : 28

Note:- **(i) Attempt Any Four from section "A"**
(ii) Attempt Any Three from section "B"
(iii) Section "C" is compulsory.

SECTION – "A" (Any Four) **4 × 5 = 20**

Q.1. Write short notes on:- (Any four)
(i) Essentials of a good questionnaire
(ii) Concept of Arithmetic progression and Geometric progression.
(iii) Population
(iv) Binomial distribution
(v) Consumer Price Index
(vi) Types of Matrix

SECTION – "B" (Any Three) **3 × 12 = 36**

Q.2. "Quantitative techniques is a multi disciplinary subject". Do you agree? Justify your answer with suitable example.

Q.3. Compute Co-efficient of variation of the following and find out which company gets more profit and which company profits are more consistent.

Particular's	Factory - X	Factory - Y
Average Profits	19.7	21.0
Standard Deviation	6.5	8.64

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Q.4. Obtain two regression equations X on Y and Y on X for the following data. Estimate Y when X = 21 and 13

X	7	8	11	5	3	1	15
Y	18	20	35	20	15	12	45

Q.5. Compute median and mode of the following data:

Mid value	5	15	25	35	45	55	65	75	85	95
Frequency	2	4	8	16	20	15	18	10	5	2

Q.6. There are 74 Balls in a box on which 18 are green balls, 26 are red balls and 30 are blue balls. If a ball is drawn determine the probability of getting :

(a) Green (b) Red (c) Blue

(d) Green or Red (e) Red or Blue (f) Not a Green Ball

SECTION – "C"

(Compulsory Question) **14**

Q.7. Construct Index number's for 2015 by using following:

(a) Laspeyre's method (b) Dorbish and Bowley method

(c) Kelly's method (d) Fisher's Ideal method

Item's	Prices (Rs.)		Quantity	
	2011	2015	2011	2015
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B	2	2	100	120
C	4	6	60	60
D	10	12	30	24
E	8	12	40	36

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