Roll No. ☐☐☐☐☐☐☐☐☐☐

MBA-8
1st Year Examination, Calendar Batch 2017
(A) Production & Operation Management
(B) Business Statistics

Time : 3 Hours]   *[Max. Marks : 100*

Note. *(A)Attempt any **five** questions.*
    *(B) Each question carries equal marks. (20*5)*

Section-(A)

Q.1   Find the skewness and kurtosis of the following distribution by central moments and comment on the type.

Class	0-10	10-20	20-30	30-40	40-50
Frequency	10	20	40	20	10

Q.2   What is the probability that a leap year selected at random will contain either 53 Thursdays or 53 Fridays?

Q.3   A population consists of five numbers 2, 3, 6, 8, 11. Consider all possible samples of size two which can be drawn without replacement from this population. Find
a) The mean of the population   b) Standard deviation of the population
c) The mean of the sampling distribution of means d) The Standard deviation of the sampling distribution of means

Q.4   Find the mean deviation and variance of the following distribution.

X	2	3	4	5	6	7	8	9	10
f	1	1	2	4	4	3	7	5	3

Section (B)

Q.5   What is plant layout? What are the characteristics of good plant layout?

Q.6   What do you mean by overhead? State any two examples.

Q.7   Define production. Write the history of production management.

Q.8   What is inventory? What is inventory control? What are its advantages?