

**ECO - 07**

**Bachelor's Degree Programme  
(BDP)**

**ASSIGNMENT  
2015-16**

**Elective Course in Commerce  
ECO – 07: ELEMENTS OF STATISTICS**

**For July 2015 and January 2016 admission cycle**



**School of Management Studies  
Indira Gandhi National Open University  
Maidan Garhi, New Delhi -110 068**

**Elective Course in Commerce**  
**ECO – 07: Elements of Statistics**

**ASSIGNMENT- 2015-16**

Dear Students,

As explained in the Programme Guide, you have to do one Tutor Marked Assignment in this Course.

Assignment is given 30% weightage in the final assessment. To be eligible to appear in the Term-end examination, it is compulsory for you to submit the assignment as per the schedule. Before attempting the assignments, you should carefully read the instructions given in the Programme Guide.

This assignment is valid for two admission cycles (**July 2015 and January 2016**). The validity is given below:

1. Those who are enrolled in **July 2015**, it is valid upto **June 2016**.
2. Those who are enrolled in **January 2016**, it is valid upto **December 2016**.

You have to submit the assignment of all the courses **to The Coordinator of your Study Centre**. For appearing in **June Term-end Examination**, you must submit assignment to the Coordinator of your study Centre **latest by 15<sup>th</sup> March**. Similarly for appearing in **December Term-end Examination**, you must submit assignments to the Coordinator of your study Centre **latest by 15<sup>th</sup> September**.

## TUTOR MARKED ASSIGNMENT

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<b>Course Code</b>	:	<b>ECO - 07</b>
<b>Course Title</b>	:	<b>Elements of Statistics</b>
<b>Assignment Code</b>	:	<b>ECO – 07/TMA/2015-16</b>
<b>Coverage</b>	:	<b>All Blocks</b>

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**Maximum Marks: 100**

**Attempt all the questions.**

1. Define 'Classification'. Explain the purpose and methods of classification of data giving suitable examples. (20)
2. "Statistical methods are most dangerous tools in the hands of the inexpert." Explain the significance of this statement. (20)
3. Find out missing frequencies in the following incomplete distribution:

Measurement	0-10	10-20	20-30	30-40	40-50
Frequency	3	?	20	12	?

The values of Median and Mode are 27 and 26 respectively. (20)

4. The arithmetic mean and the standard deviation of a series of 20 items are 20 cms. and 5 cms. respectively. But while calculating them, an item 13 misread as 30. Find the correct mean and correct standard deviation. (20)
5. Calculate Karl Pearson's coefficient of skewness from the following data:

Class	40-60	30-40	20-30	15-20	10-15	5-10	3-5	0-3
Frequency	25	15	12	8	6	4	3	2

(20)