Bachelor's Degree Programme
(BDP)

ASSIGNMENT
2022-2023

Elective Course in Commerce
ECO-07: ELEMENTS OF STATISTICS

For July 2022 and January 2023 Admission Cycle

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THE PEOPLE'S
UNIVERSITY

School of Management Studies

Indira Gandhi National Open University

Maidan Garhi, New Delhi -110068

ECO – 07: ELEMENTS OF STATISTICS

ASSIGNMENT- 2022-23

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 2022 and January 2023**). The validity is given below:

1. Those who are enrolled in **July 2022**, it is valid up to **June 2023**.

2. Those who are enrolled in **January 2023**, it is valid up to **December 2023**.

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 15th March. Similarly for appearing in December Term-End Examination, you must submit assignments to the Coordinator of your study centre latest by 15th September.

TUTOR MARKED ASSIGNMENT

Course Code	:	**ECO-07**
Course Title	:	**ELEMENTS OF STATISTICS**
Assignment Code	:	**ECO-07/TMA/2022-23**
Coverage	:	**ALL BLOCKS**

Maximum Marks: 100

Attempt all the questions:

Q.1 What is sampling? Discuss the various methods of sampling? **(20)**

Q.2 If the mean of the given frequency distribution is 35, then find the missing frequency y. Also, calculate the median and mode for the distribution. **(20)**

Class Distribution	10-20	20-30	30-40	40-50	50-60
Frequency	2	4	7	y	1

Q.3 **a)** Discuss the sources of secondary data. What precautions should be taken while using secondary data? **(10)**

b) Define Geometric and Harmonic mean? Differentiate between them? **(10)**

Q.4 The wages of nine workers are given below: **(20)**

₹ 310, ₹ 290, ₹ 320, ₹ 280, ₹ 300, ₹ 290, ₹ 320, ₹ 310, ₹ 280.

Find the following:

a) Standard Deviation
b) Variance

Q.5 **Write short notes on the following:** **(5×4=20)**

(a) Distrust of Statistics
(b) Statistical Derivatives
(c) Moving Averages
(d) Properties of Normal Curve