# **ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD**

**(Department of Gender & Women Studies)**

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**WARNING**

1. **PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM THE AWARD OF DEGREE/CERTIFICATE IF FOUND AT ANY STAGE.**
2. **SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE’S OWN WILL BE PENALIZED AS DEFINED IN THE “AIOU PLAGIARISM POLICY”.**

**Course: Applied statistics in Gender Studies (9156) Semester: Spring, 2025**

**Level: B.S Credit Hours: 03**

## Please read the following instructions for writing your assignments. (AD, BS, B. Ed, MA/MSc, MEd) (ODL Mode).

1. All questions are compulsory and carry equal marks but within a question the marks are distributed according to its requirements.

2. Read the question carefully and then answer it according to the requirements of the questions.

3. Avoid irrelevant discussion/information and reproducing from books, study guide or allied material.

4. Handwritten scanned assignments are not acceptable.

5. Upload your typed (in Word or PDF format) assignments on or before the due date.

6. Your own analysis and synthesis will be appreciated.

7. Late assignments can’t be uploaded at LMS.

8. The students who attempt their assignments in Urdu/Arabic may upload a scanned copy of their handwritten assignments (in PDF format) on University LMS. The size of the file should not exceed 5MB.

**Total Marks: 100 Pass Marks: 50**

**ASSIGNMENT NO.1**

**(Units: 1-5)**

Q.1 Inferential statistics plays an important role in Statistics. Discuss the basic principle of inferential statistics. (20)

Q.2 What are the major types of estimates of central tendency? Explain with examples. (20)

Q.3 What is Standard Deviation? Compute the standard deviation of the following data. (20)

 0.87 0.90 0.50 0.58

Q.4 Describe data analysis. Discuss the steps which must be followed in statistical

 analysis of data. (20)

Q.5 Write notes on ( 10+10)

 i) Quasi-experimental design

 ii) True experimental design

**Total Marks: 100 Pass Marks: 50**

**ASSIGNMENTS NO.2**

(Units: 6-9)

Q.1 What is reliability, its definition and its characteristics? Illustrate your answers with examples. (20)

Q.2 Discuss the descriptive research with its definition and purpose. Explain the process of descriptive research. (20)

Q.3 Explain probability sampling, Differentiate between different types of probability sampling. (20)

Q.4. Discuss word processing? Explain the key functions of word processing. (20)

Q.5 Write notes on the following: (20)

 i) Validity (ii) Achievement tests