

**ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD**  
**(Department of Gender and Women Studies)**

**WARNING**

1. **PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM 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 "AIOU PLAGIARISM POLICY".**

**Course: Applied Statistics in Gender Studies (4646)**

**Level: M.Sc**

**Semester: Spring, 2014**

**Total Marks: 100**

**Pass Marks: 40**

**ASSIGNMENT No. 1**

**(Units: 1–5)**

- Q.1 Define inferential statistics. What does the term “statistically significant” mean? Why is it so important to use inferential statistics? (20)
- Q.2 What is the difference between Type I and Type II error? Explain. (20)
- Q.3 Ahmad has been playing golf on the weekends for the past three years. Recently, he started keeping track of his recorded scores. His scores for June and July at his favorite 9-hole golf course are provided below. (20)
- 45  
49  
42  
56  
41  
36  
34  
38  
41  
40  
42  
41  
39  
38  
40
- Find the Mean, Median and Mode for the above data.
  - What does this information tell you about Ahmad’s gold game?
- Q.4 What is data collation and why data is collected? Discuss in detail. Explain the various types of data and essential steps in data collection. (20)

- Q.5 Write notes on the following: (10+10)
1. Central Tendency
  2. Regression

**ASSIGNMENT No. 2**  
(Units: 6–9)

**Total Marks: 100**

**Pass Marks: 40**

- Q.1 How would you explain Experimental Design? Why Experimental Designs are used in Research? (20)
- Q.2 What are the guidelines and typical format of the research Report? Discuss in detail. (20)
- Q.3 What is the main principle of the Ethical Research? What would be your responsibility towards you subjects while conduction research? (20)
- Q.4 Discuss Historical Research. Explain the different types of Historical Research. (20)
- Q.5 Write notes on the following: (20)
1. Descriptive Research
  2. Reliability