Allama Iqbal Open University, Islamabad

(Early Childhood Education and Elementary Teacher Education Department)

Program:	**B.Ed (1.5 Years)**	**Semester: Spring 2025**
Course:	**Educational Statistics(8614)**	

Please read the following instructions for writing your assignment

1. All questions are compulsory and carry equal marks, but within a question, the marks are distributed according to its requirements.
2. Read the questions carefully and then answer them according to the requirements of the question.
3. Handwritten scanned assignments are not acceptable.
4. Upload your typed (in Word or PDF format) assignments on or before the due date.
5. Late assignments can't be uploaded or graded on LMS.
6. Your analysis and synthesis will be appreciated.
7. Avoid irrelevant discussion/information and reproducing from books, study guides or allied material.

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

Assignment-I

(Units 1-4)

Q.1	What are the functions and scope of 'Statistics' in the teaching-learning process?	(20)
Q.2	Define 'data'. Differentiate primary and secondary data. Also, discuss the uses of primary and secondary data in the field of education.	(20)
Q.3	Discuss probability and non-probability sampling with a special focus on educational research.	(20)
Q.4	When is a histogram preferred over other visual interpretations? Discuss different uses and shapes of .	(20)
Q.5	Explain the use of the normal curve in explaining different educational concepts.	(20)

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

Assignment-II

(Units 5-9)

Q.1	Mean, Median and Mode have their own merits and demerits. Shortly discuss their merits and demerits.	(20)
Q.2	Hypothesis testing has great importance in educational research. Discuss in detail.	(20)
Q.3	When do we use regression in our data analysis? Also, discuss different types of regression.	(20)
Q.4	Provide the logic and procedure of one-way ANOVA.	(20)
Q.5	What are the uses of the Chi-Square distribution? Explain the procedure and basic framework of 'Goodness of Fit-Tests.	(20)