

**ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD**  
*(Elementary Teacher Education Department)*

**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 ASSIGNMENT(S) BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".**

Course: Applied Research 8293

Semester: Autumn , 2025

Level: BS ECCE

Total Marks: 100

Pass Marks: 50

***Please read the following instructions for writing your assignments.  
(AD, BS, BEd, 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 guides, or allied material.
4. Handwritten scanned assignments are not acceptable. However, 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.
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

**ASSIGNMENT No.1 (Units: 1-4)**

***Note: All questions are compulsory and carry equal marks.***

Q1.	Define applied research and describe its main characteristics. How does it contribute to solving educational problems in Early Childhood Education?	20
Q2.	Explain the principles of applied research and discuss how they guide the selection of data-collection methods.	20

Q3.	Differentiate between basic and applied research. Provide one example of each from the field of teacher education.	20
Q4.	Discuss the steps of an applied research design. Illustrate your answer with an example relevant to early childhood classrooms.	20
Q5.	Describe the principles and characteristics of action research. How does reflexivity enhance the quality of an action-research project?	20

**ASSIGNMENT No.2**  
(Units: 5-9)

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

*Note: All questions are compulsory and carry equal marks.*

Q1.	What is evaluation research? Discuss at least two evaluation models used in educational program assessment.	20
Q2.	Define observation and distinguish between structured and naturalistic observation. Discuss any ethical issues involved.	20
Q3.	Explain the difference between probability and non-probability sampling techniques. How does sample representativeness affect research validity?	20
Q4.	Discuss the concepts of validity and reliability in applied research. Explain how triangulation can be used to enhance both.	20
Q5.	Identify and discuss the major challenges faced in conducting applied research, particularly regarding ethical considerations and validity problems. Suggest practical strategies to address these.	20