

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Early Childhood Education & 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".**

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 question.
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 the 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 cannot be uploaded to the LMS.

Course: Quantitative Reasoning-II(8278)

Semester: Spring, 2026

Level: B.Ed./BS (Early Childhood Care & Education)

Total Marks: 100

Pass Marks: 50

ASSIGNMENT No. 1
(Units 1-4)

Q.1	(i) Define the critical thinking. (05) (ii) Differentiate among logic, argument, premises and conclusion with the help of two examples. (15)	(20)
Q.2	Explain the concept, types and applications of deductive argument with the help of examples.	(20)

Q.3	What is the difference between inductive and deductive arguments? Explain it with the help of examples.	20
Q.4	Describe common logical fallacies with the help of examples.	(20)
Q.5	What do various areas of a Venn diagram represent? Describe. Explain Venn diagrams for two and three sets with the help of examples.	(20)

Total Marks: 100

Pass Marks: 50

ASSIGNMENT No. 2
(Units 5-9)

Q.1	Differentiate between linear and exponential growth in population with the help of graphs.	(20)
Q.2	Explain the variable and its types with the help of examples.	(20)
Q.3	Explain the concept of correlation with the help of examples and its applications in the field of research.	(20)
Q.4	Discuss the importance and types of hypotheses for a research study.	(20)
Q.5	Explain the concept of probability and various methods to estimate the probability with the help of examples.	(20)