

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-I (8277)

Semester: Spring, 2026

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

Total Marks: 100

Pass Marks: 50

ASSIGNMENT No. 1

(Units 1-5)

Q.1	What are the various misconceptions about the subject of Mathematics? Write your logical response to these misconceptions. How does it affect the learning of the concepts of quantitative reasoning? Explain.	(20)
Q.2	(i) What are the basic steps to solve a problem involving units? Explain. (ii) Solve the following two problems using the steps mentioned in the previous part of this question.	(20)

	(a) How fast was a car moving that had traveled a distance of 70 miles in 04 hours? (b) You are buying 12 dozenbananas at a rate of Rs. 250/- per dozen. What is the total price of 13 dozenbananas?	
Q.3	i. Differentiate between the concept of percentage and percentage of percentages with the help of examples. (10) ii. What are the various uses of the percentage? Explain your answer with the help of examples. (10)	20
Q.4	What are your financial goals? Explain. Keeping in view your financial goals, plan your monthly budget for three months. Please mention your income and expenditures as a student in this budget.	(20)
Q.5	Differentiate between the concepts of volume and surface area of three-dimensional objects. State the process and formula forcalculating the volume and surface area of familiar three-dimensional objects with the help of diagrams.	(20)

Total Marks: 100

Pass Marks: 50

ASSIGNMENT No. 2
(Units 6-9)

Q.1	What is an algebraic expression? Describe. Explain the rules of multiplication and subtraction of algebraic expressions with the help of six examples.	(20)
Q.2	Elaborate on the types of statistical studieswith the help of examples.	(20)
Q.3	Define frequency. Differentiate between cumulative and relative frequency with the help of examples.	20
Q.4	How many different types of graphs are usually used for the presentation of the data? Explain your answer along with the purpose of each type of graph.	(20)
Q.5	How can tables and pictographs be used to sharethe information effectively? Discuss with the help of examples.	(20)