



ALLAMA IQBAL OPEN UNIVERSITY  
Semester Terminal Exam Autumn 2020

Program /level:	B.Ed/Graduation	Maximum Marks	100
Title /Course Code	<b>Chemistry-IV (6459)</b>	Pass marks	50

**Instructions for Exams:**

1. Attempt All Questions.
2. Write answers in your own words and avoid copying from an internet source or any book.
3. Be precise, avoid unnecessary details, answer to each question must be between 600-800 words.
4. Students are advised to upload their answer sheets/solutions on LMS portal as soon as they complete their answers and not to wait for 8:30 PM.
5. Submissions after due date & time will not be entertained. Attach undertaking with each course code which were allowed to attempt in Urdu.
6. If plagiarism found, Student may be declared fail.

Q. No.	Questions	Marks
1	Describe the Bohr's Atomic model and its defects. Explain Derivation of time independent Schrodinger's wave equation and Energy equation for free motions of particles in one dimensional box	33
2	Describe the concept of mean median, accuracy precision, and significant figure. Point out errors their detection and elimination. Take the values of your own choice and solve a numerical problem involving standard deviation and relative standard deviation.	33
3	Describe the classification of polymer. Clarify the free radical chain polymerization. Explore condensation polymerizations with di- and tri-substituted monomers.	34