



ALLAMA IQBAL OPEN UNIVERSITY  
Semester Terminal Exam Autumn 2020

Program /level:	B.Ed/Graduation	Maximum Marks	100
Title /Course Code	<b>Chemistry-I (6456)</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	Kinetic Molecular theory of gases is an important development in chemistry, elucidate the key postulates of this theory. Moreover, explicate the procedure of derivation of kinetic equation of gases.	33
2	What do you know about the X-ray diffraction? Discuss the fundamental principles of X-ray diffraction and highlight its applications with its limitations and advantages.	33
3	Order of reaction and molecularity of reaction, differentiation of orders zero, first, second. Methods to determine order of reaction.	34