



ALLAMA IQBAL OPEN UNIVERSITY  
Semester Terminal Exam Autumn 2020

Program /level:	B Ed	Maximum Marks	100
Title /Course Code	<b>Biology-V (8673)</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	What are essential requirements to develop laboratory skills in the subject of Biology? There are different opinions that theoretical knowledge is necessary for developing practical skills. But there is another opinion that theoretical knowledge is dependent on practical skills. Justify your answer with the help of evidence	33
2	Frame an alternative design for practical work to reach the desired goals in the subject of biology. Identify applications of diffusion and osmosis in real life situation.	34
3	Write local procedure for extraction of DNA. How do you determine Rh factor? Is Rh factor same as blood group? What is the role of RH factor in organ transplantation?	33