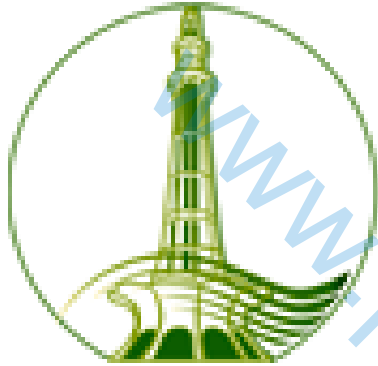


# ADMISSION GUIDE



THE  
UNIVERSITY OF  
LAHORE

## Institute of Molecular Biology & Biotechnology

Undergraduate, Graduate & Post Graduate Programs

1-Km Raiwind Road Lahore.

1-Km Defense Road, Off Raiwind Road, Near Bhohtian Chowk Lahore.

Contact No: +92-42-111-865-865,

Mobile No.: 0321-4569555, 0322-4569555, 0321-4569333, 0322-4569333

Web: [www.uol.edu.pk](http://www.uol.edu.pk) Emil: [admissions@uol.edu.pk](mailto:admissions@uol.edu.pk)

**Program Name:** **BSBiochemistry& Biotechnology**  
**BS Microbiology & Biotechnology**  
**BS Biotechnology**  
**BS Molecular Biology & Biotechnology**  
**BS Environmental Sciences**

**Entry Requirements:** Minimum 45% 12 years of education/HSSC/Intermediate  
**Program Duration:** 4 Years (08 semesters) 131 Credit Hours  
**Program Location:** Defense Road Campus

**Program Name:** **M.Sc. Biochemistry& Biotechnology**  
**M.Sc. Microbiology & Biotechnology**  
**M.Sc. Biotechnology**  
**M.Sc. Molecular biology & Biotechnology**

**Entry Requirements:** Minimum: 2<sup>nd</sup> division &14 years of education/B.Sc. or Equivalent  
**Program Duration:** 2 Years (04 semesters) 60 Credit Hours  
**Program Location:** Defense Road Campus

**Program Name:** **M.Phil Biotechnology**  
**M.PhilMolecular biology**  
**M.PhilBiochemistry (Approved by PMDC)**  
**M.PhilPhysiology (Approved by PMDC)**  
**M.PhilMicrobiology(Approved by PMDC)**  
**M.Phil Forensics Science**  
**MS Environmental Science**

**Entry Requirements:** Minimum 45% 16 years of education/BS/M.Sc./MBBS/Pharm-D/DVM/B-Pharm  
**Program Duration:** 2 Years-46 Credit Hours  
**Program Location:** Defense Road, Lahore

**Program Name:** **Ph.DBiotechnology**  
**Ph.DMolecular biology**  
**Ph.DMicrobiology (Approved by PMDC)**  
**Ph.DBiochemistry (Approved by PMDC)**  
**Ph.DPhysiology (Approved by PMDC)**

**Entry Requirements:** Minimum 3.0 (4.00) CGPA in18 Years of Education / M.Philin relevant field  
**Program Duration:** 3 Years Fulltime -48 Credit Hours  
**Program Location:** Defense Road, Lahore

## Instructions for Applicants:

1. The applicants are encouraged to read the following information before filling up the Admission Form carefully and avoid overwriting.
2. The applicant either male or female, who fulfills the requirements prescribed by the University and conditions mentioned in the prospectus, is eligible to apply for admission.
3. The selection of applicant shall be on merit, determined on the basis of marks obtained in the last examination, entry test and such other criteria as University may determine.
4. Application for admission must be made on the prescribed form annexed to the Prospectus which may be obtained from Admission Office on payment of Rs.1500/- during office hours. An applicant can also download the Admission Form from the University website and send it through courier. In such cases, he or she will send a bank draft of Rs. 1700/- in favor of "The University of Lahore". The foreign applicants will send a bank draft of US\$ 25/-.
5. An applicant can apply in four degree programs at a time. However, he or she will be charged Rs. 300/- per choice excluding the first one.
6. Certified photocopies of the following documents are required to be attached with the Admission Form:
  - a) 02 colored passport size photographs
  - b) Matric, Inter, Bachelor and Master degrees
  - c) CNIC card of the applicant or Form B or Father CNIC
7. Don't attach Domicile, Character and Hope Certificate with Admission Form.
8. In case, an applicant does not have certified copies of the required documents, the same may be attested by University Admission Officer on submission of the original documents.
9. The Admission Form must be filled and signed by the applicant.
10. Applicants awaiting final exam result or those who have appeared in supplementary exam are eligible to apply for admission. However, in such cases, they will be deprived of qualification weightage and will be purely evaluated on the basis of their test score.
11. The applicants bearing O-Level, A-Level qualification or equivalent are required to submit their IBCC Equivalence Certificate in order to determine their eligibility. If an applicant fails to produce the same, he or she will not be given qualification weightage.
12. The foreign applicants are required to attach the following additional documents with the Admission Form:
  - a) Proof of Citizenship
  - b) Copy of Passport

- c) Copy of Visa
  - d) Visa issuance and expiry proof
  - e) Copy of ID card
13. Please mention your mailing address clearly.
  14. In order to get admission in MS/M.Phil/Ph.D programs, the applicants are required to qualify UOL Entrance Test, Interview or both.
  15. The UOL offers female hostel. The rent per room is Rs. 10,000 to 15,000/- per month. The University transport is available throughout the Lahore City.
  16. All admissions are granted on "**Provisional**" basis. It is the sole responsibility of the selected applicants to provide proof of their eligibility within 3 weeks of the declaration of the result failing which their admission will be cancelled.
  17. The applicants are strongly encouraged to take special care of the fee deadlines otherwise he or she will be deprived of admission.
  18. In order to avoid any inconvenience, please submit your Admission Form before the admission closing date.
  19. The University is authorized to amend its rules including fee any time without prior intimation.
  20. The University has not authorized any publisher or person for preparation of its Entrance Tests. So please beware of such elements.
  21. Incomplete Admission Forms will be rejected. Documents once submitted are non-returnable.

## SAMPLE TEST BS level

<b>Section 1</b> Undergraduate	Time Allowed: 1 Hour Questions: 30	Choose the correct answer for each question and <b>SHADE</b> the corresponding choice on answer sheet.
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### PART 1 LANGUAGE

#### Instructions

A. In each of the following questions, pick the one most nearly opposite in meaning.

1) **Vicious**

- A. depraved
- B. moral
- C. profligate
- D. iniquitous
- E. ferocious

2) **Heterogeneous**

- A. uniform
- B. dispersed
- C. abridged
- D. mixture
- E. simple

### PART II: SCIENTIFIC

1) When two amino acids joined, the alpha-amino group of one amino acid acts as nucleophile to displace the hydroxyl group of another amino acid which leads to formation of a peptide bond. This joining is achieved by a reaction mechanism called

- A. electrophilic
- B. neutrophilic
- C. condensation
- D. amino acid substitution
- E. hydrolysis

2) The peptide bond in proteins is considered to be

- A. no planar
- B. linear
- C. planar
- D. non rigid
- E. hydrophobic

## SAMPLE TEST M.Sc. Level

<b>Section 1</b> Undergraduate	Time Allowed: 1 Hour Questions: 30	Choose the correct answer for each question and <b>SHADE</b> the corresponding choice on answer sheet.
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### PART 1 LANGUAGE

#### Instructions

A. In each of the following questions, pick the one most nearly opposite in meaning.

- 1) **Vicious**
  - A. depraved
  - B. moral
  - C. profligate
  - D. iniquitous
  - E. ferocious
- 2) **Heterogeneous**
  - A. uniform
  - B. dispersed
  - C. abridged
  - D. mixture
  - E. simple

### PART II: LOGIC

- 3) Which of the following is the sum of two consecutive prime numbers?  
66
  - A. 52
  - B. 41
  - C. 29
  - D. 68
- 4) Clock gains 8 minutes every  $x$  hours. How many hours will the clock gain in 3 days?
  - A.  $576/x$
  - B.  $48/5x$
  - C.  $24/x$
  - D.  $576/x$

### PART II SCIENTIFIC

- 5) The function of the larynx, which is placed above the trachea, is to
  - A. produce sound
  - B. absorb  $O_2$
  - C. send out  $CO_2$
  - D. prevent dust
  - E. sneezing
- 6) The inflammation of the respiratory path causes
  - A. Thrombosis
  - B. Bronchitis
  - C. Catarrh
  - D. Sneezing
  - E. Cancer

## SAMPLE TEST M.Phil. /Ph.D. Level

<b>Section 1</b> Undergraduate	Time Allowed: 1 Hour Questions: 30	Choose the correct answer for each question and <b>SHADE</b> the corresponding choice on answer sheet.
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### PART 1 LANGUAGE

- 1) **Incongruous**
- A. Geometric
  - B. Prudent
  - C. Legitimate
  - D. Harmonious
  - E. Efficacious
- B. **For each blank, pick the word or set or a word that best reflects the sentence's meaning.**
- 2) **Book publishing has long been \_\_\_\_\_ profession, partly because, for younger editors, the best way to win a raise or a promotion was to move on to another publishing house.**
- A. An innovative
  - B. A prestigious
  - C. An internet
  - D. A rewarding
  - E. An insular

### PART II: LOGIC

- 3) **If the sum of three consecutive integers is less than 75, what is the greatest possible value of the smallest one?**
- A. 23
  - B. 24
  - C. 25
  - D. 26

### PART III: SCIENTIFIC

- 4) **During transcription:**
- A. Nucleotides are polymerized by DNA polymerase
  - B. Ignition occurs at a site recognized by the sigma factor
  - C. Only single gene-sized mRNA molecules are synthesized (d) both DNA strands of a single gene are used as templates simultaneously.
  - D. Thymine in RNA pairs with adenine in DNA
- 5) **The proofreading of only synthesized DNA, to excise incorrect nucleotides which have been inserted, is done by:**
- A. A restriction endonucleases
  - B. DNA gyrase
  - C. DNA ligase
  - D. DNA polymerase III
  - E. All of the above may participate