Admission Kit
Institute of Molecular Biology & Biotechnology
M.Phil. & Ph.D. Programs

Admission Office

1-km Raiwind Road Lahore. Ph.: 042-35963421-28
1-km Defense Road, Off Raiwind Road, Near Bhoptian Chowk Lahore. Ph.:042-35321456-60

Web: www.uol.edu.pk   Email: admissions@uol.edu.pk
**Brief Programs Information**

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<th>Program Name</th>
<th>Entry Requirements</th>
<th>Program Duration</th>
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<tr>
<td><strong>M.Phil. Biotechnology, Microbiology, Molecular biology, Biochemistry, Physiology, Forensics Science</strong></td>
<td>Minimum 45% 16 years of education/BS/M.Sc./MBBS/Pharm-D/DVM/B-Pharm</td>
<td>2 Years-46 Credit Hours</td>
<td>HEC</td>
<td>Defense Road, Lahore</td>
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<td><strong>MS Environmental Sciences</strong></td>
<td>Minimum 45% 16 years of education/BS/M.Sc./MBBS/Pharm-D/DVM/B-Pharm</td>
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<tr>
<td><strong>Ph.D. Biotechnology, Microbiology, Molecular biology, Biochemistry &amp; Physiology</strong></td>
<td>Minimum M.Phil. with 3CGPA</td>
<td>3 Years Fulltime -48 Credit Hours</td>
<td>HEC</td>
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**Note:**

- The program in the subject of Biochemistry, Physiology and Microbiology are approved by the PMDC
SAMPLE TEST M.Phil./Ph.D.

Section 1  Time Allowed: 1 Hour
Undergraduate  Questions: 30
Choose the correct answer for each question and SHADE the corresponding choice on answer sheet.

PART 1 LANGUAGE

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

1) Ensure
   A. Litigate
   B. Precede
   C. Arbitrate
   D. Accentuate
   E. Delay

2) Incongruous
   A. Geometric
   B. Prudent
   C. Legitimate
   D. Harmonious
   E. Efficacious

3) Apostate
   A. Laggard
   B. Loyalist
   C. Martinet
   D. Predecessor
   E. Skeptic

4) Revile
   A. Compose
   B. Awake
   C. Deaden
   D. Praise
   E. Secrete

B. For each blank, pick the word or set or a word that best reflects the sentence's meaning.
5) Slender is like counterfeit money: many people who would not coin it ________ without qualms.

A. Waste  
B. Denounce  
C. Circulate  
D. Withdraw  
E. Invest

6) 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

7) For centuries, physicists have good reason to believe in the principle of equivalence propounded by Galileo: it has ____________ many rigorous tests that ____________ its accuracy to extraordinary precision.

A. Endured……………………compromised  
B. Passed………………………presupposed  
C. Borne……………………….postulated  
D. Survived…………………..proved  
E. Inspired…………………..equated

8) Among temporary writers of fiction, Virginia Woolf is ________________ figure, in some ways as radical as James Joyce, in other no more modern than Jane Austen.

A. A doctrinaire  
B. An introspective  
C. A peripheral  
D. A disinterested  
E. An anomalous
**PART II: LOGIC**

9) What is the sum of the product and quotient of 8 and 8?

   A. 16  
   B. 17  
   C. 63  
   D. 64  
   E. 65  

10) 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  
   E. 27  

11) If 25% of 260 equals 6.5% of A, what is A?

   A. 10  
   B. 65  
   C. 100  
   D. 130  
   E. 1000  

12) The average of 5, 10, 15 and z is 20, what is Z?

   A. 0  
   B. 20  
   C. 25  
   D. 45  
   E. 50  

13) If $3^a \times 3^b = 3^{100}$ what is the average of a and b?
A. 25  
B. 45  
C. 50  
D. 75  
E. 100

**PART III: SCIENTIFIC**

14) A gene always encodes a protein product.

A. True  
B. False

15) 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

16) 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

17) Promoter regions are nucleotide sequences that:

A. Are involved in the initiation of transcription  
B. Are involved in transcription termination  
C. Contain the code for 1mRNA molecule  
D. Are important to the translation process (e) all of the above
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 favour 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 coloured passport size photographs
   b) Matric, Inter, Bachelor and Master degrees
   c) CNIC card of the applicant of Form B of the father

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. Programs, the applicants are required to qualify UOL Entrance Test, Interview or both. The successful applicants will have to qualify NTS test after admission as per policy of HEC. If they fail to do the needful, they will not be issued degree and final transcript. For admission in Ph.D., GRE (subject) test is mandatory.

15. The UOL offers female hostel. The rent per room is Rs. 10,000-12,000/- 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.