ADMISSION GUIDE

Department of Electrical Engineering
Undergraduate & Postgraduate Programs

1-Km Raiwind Road Lahore.
1-Km Defense Road, Off Raiwind Road, Near Bhohtian Chowk Lahore.
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Mobile No.: 0321-4569555, 0322-4569555, 0321-4569333, 0322-4569333
Web: www.uol.edu.pk  Emil: admissions@uol.edu.pk
Program Name: BS IN ELECTRICAL ENGINEERING (Only Offered in Fall)
Entry Requirements: Minimum 60% F.Sc (Pre-Engg.)/A-Level /DAE (Electronics, Electrical, Instrumentation, Telecomm.) or Equivalent
Program Duration: 4 Years (08 semesters) 138 Credit Hours Fulltime
Program Recognition: Pakistan Engineering Council & HEC
Program Location: Raiwind Road Campus

Program Name: MASTER OF SCIENCE IN ELECTRICAL ENGINEERING (MSEE)
Entry Requirements: Minimum 60% or 2.50 CGPA BS (Electrical, Electronics, Computer, or Telecomm Engineering with PEC Registration
Program Duration: 2 Years (04 semesters) 30 Credit Hours Evening
Program Recognition: HEC
Program Location: Raiwind Road Campus

Program Name: PHD IN ELECTRICAL ENGINEERING
Entry Requirements: Minimum 3.00 CGPA of 60% MS Electrical Engineering or equivalent
Program Duration: 3-5 Years (48 Credit Hours (30 hours research + 18 hours course work)) Fulltime
Program Recognition: HEC
Program Location: Raiwind Road Campus

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 colored passport size photographs
   b) Metric, Inter, Bachelor and Master degrees
   c) CNIC card of the applicant or Form B of applicant or his 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 weight-age 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 weight-age.

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. 9000/- 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 be-aware of such elements.

21. Incomplete Admission Forms will be rejected. Documents once submitted are non-returnable.

### SAMPLE TEST BS LEVEL

<table>
<thead>
<tr>
<th>Section 1</th>
<th>Time Allowed: 30 Minutes Questions: 20</th>
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Choose the correct answer for each question and encircle the corresponding choice on answer sheet.

### ENGLISH SECTION

**PART -1 READING COMPREHENSION**

**Directions:** Read the two passages and answer all the questions.
In late infancy, the baby takes an interest in games, songs and even books. Progress toward walking moves through standing, balancing, bouncing in place and walking with others. As soon as the baby walks well alone, it has passed from infancy into the active toddler stage.

1) A baby in a late infancy would be able to do all of the following EXCEPT
   A. Makes any speech sound
   B. Walk well alone
   C. show interest in games
   D. intimate actions

PART -2-VOCABULARY

Directions: choose the answer which best explains the meaning of the word in bold type

1) Our Company has just **acquired** two new tractors.
   A. bought
   B. purchased
   C. stolen
   D. obtained

**MATHEMATICS (Aptitude Section)**

1) If $5c + 3 = 3c + 5$, what is the value of $c$?
   A. -1
   B. 0
   C. 1
   D. 3

**MATHEMATICS (Achievement Section)**

1) The next term in the sequence is 3,9,19,33,51...is
   A. 55
   B. 63
   C. 47
   D. None of the above

2) A square matrix $A$ is symmetric if $A =$?
   A. $A^t$
   B. $A$
   C. $-A$
   D. $A^{-1}$
PHYSICS (Aptitude Section)

1) An object with the greatest temperature will appear
   A. Green
   B. Blue
   C. White
   D. Orange Red

2) The unit of _________ is hertz
   A. Frequency
   B. Time Period
   C. Wave Length
   D. Sound

3) A 5 gm. bullet leaves the muzzle of a rifle with a speed of 320 m/s. What force (assumed constant) is exerted on the bullet while it is travelling down the 0.82 m long barrel of the rifle?
   A. 7.92 Newton
   B. 8.14 Newton
   C. 8.98 Newton
   D. None of the above

PHYSICS (Achievement Section)

1) A x B = 0, then
   A. They are parallel
   B. Either A or B is null vector
   C. The vectors are equal to each other
   D. The vectors are opposite in direction

2) Find the rectangular components of velocity 10 m/sec when one of the component makes an angle of 30° with the resultant
   A. 4, 3
   B. \( \frac{5\sqrt{3}}{3}, \frac{5}{3} \)
   C. \( \frac{5}{3}, 5 \)
   D. None of them
SAMPLE TEST MS LEVEL
(Time allowed: TWO hours)

NOTE: All questions are of worth 1 mark each. Section A and Section B are compulsory. Select optional section according to your area of specialization in MS, i.e. if your specialization area is communication then select communication otherwise power.

SECTION A, Mathematics

1. The real and imaginary part of \( \left( \frac{1}{2 - j3} \right) \left( \frac{1}{1+j} \right) \) are

   (a) \( \frac{3}{26} \) and \( \frac{3}{26} \)
   (b) \( -\frac{5}{26} \) and \( \frac{1}{26} \)
   (c) \( \frac{5}{26} \) and \( \frac{5}{26} \)
   (d) \( \frac{5}{26} \) and \( -\frac{1}{26} \)

SECTION B
Circuit Analysis, Signal & Systems, DLD etc.

1. The condition for the validity of Ohm’s law is that the

   (a) Temperature should remain constant.
   (b) Current should be proportional to voltage.
   (c) Resistance must be wire wound type.
   (d) All of the above.

   2. A signal \( f(t) = \sin(5\pi t) + 3\cos(10\pi t) \) is instantaneously sampled. The maximum allowable value of sampling interval \( T_s \) in sec, is

   (a) \( 1/4 \) sec.
   (b) \( 1/8 \) sec.
   (c) \( 1/10 \) sec.
   (d) \( (1/8) \pi \) sec.

OPTIONAL SECTION (COMMUNICATION)

1. In modulation, carrier is

   (a) Resultant wave.
   (b) Speech voltage to be transmitted.
   (c) Voltage with constant frequency, phase or amplitude.
   (d) Voltage for which frequency, phase or amplitude is varied.

OPTIONAL SECTION (POWER)

1. Iron core in a transformer provides a path to the main flux.

   (a) low reluctance
   (b) high reluctance
   (c) low resistance
   (d) high conductance