

TOPICS FOR THE COMPETITIVE EXAMINATION FOR POSTGRADUATE ADMISSIONS

CIVIL ENGINEERING DEPARTMENT

M.Sc. in Structural Engineering

	Subject	
1	Reinforced Concrete and Design (20%)	Major subjects 60%
2	Structural Analysis (20%)	
3	Steel Design and Strength of Materials (20%)	
1	Soil Mechanics and Foundation Engineering (10%)	Minor subjects 40%
2	Highway and Traffic Engineering (10%)	
3	Mathematics (10%)	
4	Sanitary Engineering (5%)	
5	Concrete Technology (5%)	

WATER RESOURCES ENGINEERING DEPARTMENT

M.Sc. Programs

- Design of Hydraulic Structures
- Hydraulics
- Fluid Mechanics
- Hydrology
- Irrigation and Drainage
- Engineering Analysis and Numerical Methods
- Mathematics

M.Sc. in Communication Engineering

- Communication System
- Mathematics
- DSP
- Electrical Circuits
- Antenna and Propagation
- Programming
- Networking
- Electronic Principles (Digital and Analogue)
- Control Engineering

M.Sc. in Computer Engineering

- Microprocessors and Microcontrollers
- Mathematics
- DSP
- Electrical Circuits
- Computer Architectures
- Programming
- Networking
- Electronic Principles (Digital and Analogue)
- Control Engineering

M.Sc. in Power Engineering

- Machines (AC and DC)
- Mathematics
- Electrical Power Engineering
- Electrical Circuits
- Power System Analysis
- Programming
- Power Electronics
- Electronic Principles (Digital and Analogue)
- Control Engineering

Ph.D. Programs

- Control Engineering
- Mathematics
- DSP
- Electrical Circuits
- Computer Networks
- Programming
- Computer Architecture
- Electronic Principles (Digital and Analogue)