



ME Entrance Question Scope  
ENGLISH  
(2024-2025 Academic year)

Question Type	Marks	Reference books
I. Read the passage	(20 marks)	(Unseen)
II.A Close Type	(10 marks)	<b>(Focus on IELTS)</b>
B Vocabulary (Vocabulary in use – Upper Intermediate Unit 51 to 100)	(10 marks)	
III A Stylistic Transformation	(20 marks)	(Unseen)
B Tenses	(10 marks)	(Unseen)
IVA Writing I	(10 marks)	<b>(Focus on IELTS)</b>
B Writing II	(20marks)	<b>(Focus on IELTS)</b>

Department of English

Technological University (Thanlyin)



**TECHNOLOGICAL UNIVERSITY (THANLYIN)**

**DEPARTMENT OF CIVIL ENGINEERING**

**Scope for M.E Entrance Exam (November, 2024)**

No.	Code	Subject	Chapter and Title	Reference
1.	CE-32013	Mechanics of Materials I	Chapter – 11, Design of Beams and Shafts	“Mechanics of Materials”, R. C. Hibbler, 8 <sup>th</sup> Edition, 2011
	CE-32013	Mechanics of Materials II	Chapter – 12, Deflection of Beams and Shafts	
2.	CE-41024	Design of Reinforced Concrete Structures I	Chapter – 3, Flexural Analysis and Design of Beams	“Design of Concrete Structures”, Arthur H. Nilson, 14 <sup>th</sup> Edition, 2010
	CE-41024	Design of Reinforced Concrete Structures I	Chapter – 4, Shear and Diagonal Tension in Beams	
3.	CE-42026	Engineering Hydrology	Chapter – 7, Floods	“Engineering Hydrology”, K. Subramanya, 3 <sup>rd</sup> Edition, 2008
	CE-42026	Engineering Hydrology	Chapter – 8, Flood Routing	
4.	CE-52015	Foundation Engineering	Chapter – 10, Braced Cuts	“Principles of Foundation Engineering”, Braja M. Das, 7 <sup>th</sup> Edition, 2011
	CE-52015	Foundation Engineering	Chapter – 11, Pile Foundation	
5.	CE-51018	Environmental Engineering I	Chapter 6 – Quality of Water	“Water Supply Engineering”, Dr. B. C Punmia, 2 <sup>nd</sup> Edition, 2009
	CE-51018	Environmental Engineering I	Chapter 9 – Sedimentation	



TECHNOLOGICAL UNIVERSITY (THANLYIN)  
DEPARTMENT OF ELECTRONIC ENGINEERING  
Scope for Master Entrance Examination (2024-2025)

1. EcE-52013, Microwave Engineering  
Chapter 14, Introduction to Microwave Systems  
Reference: Microwave Engineering 4<sup>th</sup> Edition by David M. Pozar
2. EcE-51003, Digital Control System  
Chapter 13, Digital Control System  
Reference: Modern Control Systems, 11<sup>th</sup> Edition, Richard C.Dorf and Robert H.Bishop
3. EcE-52005, Digital Signal Processing  
Chapter 5 The Application of the Z Transform  
Reference: Signals, System and Filters by Andreas Antoniou
4. EcE-52001, Advanced Electronics  
Chapter 9. Frequency Response of Electronic Amplifier  
Reference: Element of Electronics Design, Clifford Ferris
5. EcE-5012, Modern Electronic Communication Systems  
Chapter 14, Satellite Communications  
Reference: Advanced Electronic Communication Systems, Sixth Edition by Wayne Tomasi,



**Technological University (Thanlyin)**  
**Department of Electrical Power Engineering**  
**Scope for ME Entrance Examination**  
**2024-2025 Academic Year**

1. EP-52017 Modern Control System II: Reference Text Book Control System Engineering 6<sup>th</sup> Edition by Noman S.Nise
2. EP-52014 Electrical Machine and Control II: Reference Text Book Electric Motor Drives by R.Krishnan.W.A. Maslowski
3. EP-52002 Economic Operation of Power System: Reference Text Book Power System Optimization 2<sup>nd</sup> Edition by D.P. Kothari
4. EP-52043 Energy Conversion II: Reference Text Book Electrical Machines by Jacek F. Gieras
5. General Knowledge for Electrical Engineering



**TECHNOLOGICAL UNIVERSITY (THANLYIN)**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

(2024-2025) Academic Year

Scope for M.E (Mechanical) Entrance Examination

- (1) ME-5023 Internal Combustion Engines
  - Introduction
  - Basic Engine Performance Parameter and Road Load Performance
- (2) ME-52028 Industrial Engineering and Management
  - Linear Programming and Transportation Problem
  - Assignment and Sequencing Models
  - Project Management PERT and CPM
- (3) ME-5015 Vibration and Control
  - Free Vibration (Spring mass damper system)
  - Mathematical Modelling of Mechanical System and Electrical System
- (4) ME-52017 Refrigeration and Air Conditioning
  - Psychometric
  - Fluid Flow in Piping and Ducts



**Technological University (Thanlyin)**  
**Department of Information Technology Engineering**  
**Academic Year (2024-2025)**  
**Scope for ME (IT) Entrance Exam**

1. Text Book: Artificial Intelligence A System Approach  
Author: M. Tim Jones  
Edition: First Edition, 2008  
Chapter 6 – Machine Learning  
Chapter 8 – Neural Networks I
  
2. Text Book: Data Communications and Networking  
Author: Behrouz A. Forouzan  
Edition: Fifth Edition  
Chapter 31 - Cryptography and Network Security  
Chapter 32 - Internet Security
  
3. Text Book: Digital Image Processing  
Author: Rafael C. Gonzalez, Richard E. Woods  
Edition: Second Edition  
Chapter 6 - Color Image Processing  
Chapter 8 - Image Compression
  
4. Text Book: Computer Organization and Design  
Author: David A. Patterson, John L. Hennessy  
Edition: Third Edition  
Chapter 3 – Arithmetic for Computers  
Chapter 4 – Accessing and Understanding Performance
  
5. Multiple Choice Questions in Computer Science An Overview  
Author: J.Glenn Brookshear  
Edition: Eleventh Edition



**Technological University (Thanlyin)**  
**Department of Mechatronic Engineering**  
**Scope for M.E (Mechatronics) Entrance Examination**

**8-10-2024**

1. Reference Book: Modern Control Systems, Richard C. Dorf, 12<sup>th</sup> ed
  - Ch-4: Feedback Control System Characteristics
  - Ch-5: The Performance of Feedback Control System
  - Ch-6: Stability of Linear Feedback Systems
  - Ch-7: The Root Locus Method
  - Ch-8: Frequency Response Methods
2. Reference Book: Introduction to Robotics, Seed B. Niku, Second Edition
  - Chapter 6: Motion Control System
  - Chapter 7: Actuators
  - Chapter 8: Sensors

မှတ်ချက်။ ၆-၁၀-၂၀၂၄ ဘာသာရပ် အစည်းဝေး သဘောတူညီချက် အရဖြစ်ပါသည်။