

## AMIE New Course

### Section 'A'

Civil Engineering		Mechanical Engineering		Electrical and Electronic Engineering		Chemical Engineering	
Sl	Subjects	Sl	Subjects	Sl	Subjects	Sl	Subjects
1	Mathematics -I	1	Mathematics -I		Mathematics -I		Mathematics -I
2	Physics	2	Physics		Physics		Physics
3	Engineering Mechanics	3	Engineering Mechanics		Properties and Mechanics of Materials		Properties and Mechanics of Materials
4	Basic Fluid Mechanics	4	Basic Fluid Mechanics		Basic Fluid Mechanics		Basic Fluid Mechanics & Heat Transfer
5	Mathematics –II	5	Mathematics –II		Mathematics –II		Mathematics –II
6	English and Economics	6	English and Economics		English and Economics		English and Economics
7	Strength of Materials	7	Strength of Materials		Thermal Engineering		Chemical Engineering Thermodynamics
8	Surveying(Rename & Updating)	8	Basic Electrical Engineering		Elementary Electrical Engineering		Basic Electrical Engineering
9	Engineering Drawing	9	Engineering Drawing		Engineering Drawing		Engineering Drawing
10	Engineering Materials	10	Science of Materials		Elementary Electronics		Industrial Stoichiometry
11	Chemistry	11	Chemistry		Chemistry		Physical Chemistry

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### Section 'B'(Compulsary)

Civil Engineering		Mechanical Engineering		Electrical and Electronic Engineering		Chemical Engineering	
Sl	Subjects	Sl	Subjects	Sl	Subjects	Sl	Subjects
1	Structural Analysis	1	Industrial Administration & Management		Energy Conversion and Electrical Machines		Mass Transfer
2	Reinforced Concrete Structures	2	Heat and Mass Transfer		Electrical Transmission & Distribution System		Unit Operation Practices
3	Structural Design	3	Machine Design		Electronic Circuit Analysis		Kinetics & Reactor Design
4	Geotechnical and Foundation Engineering	4	Instrumentation and Control Engineering		Network Analysis		Process Control & Instrumentation
5	Hydrology Irrigation Flood Management	5	Manufacturing Process		Measurement & Instrumentation		Process Design
6	Computer Fundamentals	6	Engineering Thermodynamics		Computer Fundamentals		Chemical Engineering Economics & Equipment Design
7	Transportation and Highway Engineering	7	Computer Fundamentals		Industrial Administration & Management		
8	Water Supply and Sanitation Engineering	8					
9	Project Planning and Construction	9					

	Management						
10	Engineering Materials	10	Science of Materials		Elementary Electronics		Industrial Stoichiometry
11	Chemistry	11	Chemistry		Chemistry		Physical Chemistry

### Section 'B'(Optional)

Civil Engineering		Mechanical Engineering		Electrical and Electronic Engineering		Chemical Engineering	
Sl	Subjects	Sl	Subjects	Sl	Subjects	Sl	Subjects
1	Steel Structures	1	Machine Tool		Communication System		Chemical Plant Safety
2	Hydrology	2	Inspection & Quality control		Power and Industrial Electronics		Corrosion and Materials of Construction
3	Railway and Airport Engineering	3	Power Plant Engineering		Power System Protection		Transport Phenomena
4	Sanitary and water supply Engineering	4	Refrigeration & Airconditioning		Electromagnetic Theory		Project Engineering
5	Highway Engineering	5	Automobile Engineering		Biomedical Instrumentation		Energy and Environment
6	Techniques and Management of Building Construction	6	Fluid Mechanics & Machineries		Power System Analysis		Fertilizer Technology & Pulp and Paper
7	Irrigation Flood Control & Damage	7	Production Planning & control		Digital Electronics		Natural Gas and Refinery Engineering

8	Dock and Harbour Engineering	8	Theory of Machine		Control System		Food And Sugar Technology
9		9	Internal Combustion Engines		Microprocessor & Microcontrollers		Polymer Materials and Technology
10		10	Renewable and Non-Conventional Energy		Power Station		Fuel Technology
11		11	Nuclear Engineering				