ANNA UNIVERSITY, CHENNAI - 600 025
B.E./B.Tech./ B.Arch. DEGREE EXAMINATIONS
(REGULATIONS-2013)

B.E. Civil Engineering

Semester	Subject Code	Subject Name	Credits
01	GE6151	Computer Programming	3
01	GE6152	Engineering Graphics	4
01	MA6151	Mathematics-I	4
01	PH6151	Engineering Physics- I	3
01	CY6151	Engineering Chemistry- I	3
01	HS6151	Technical English-I	4
02	GE6253	Engineering Mechanics	4
02	GE6252	Basic Electrical and Electronics Engineering	4
02	HS6251	Technical English-II	4
02	PH6251	Engineering Physics-II	3
02	CY6251	Engineering Chemistry-II	3
02	MA6251	Mathematics-II	4
03	GE6351	Environmental Science and Engineering	3
03	CE6301	Engineering Geology	3
03	CE6302	Mechanics of Solids	4
03	MA6351	Transforms and Partial Differential Equations	4
03	CE6303	Mechanics of Fluids	3
03	CE6304	Surveying I	3
04	CE6401	Construction Materials	3
04	CE6403	Applied Hydraulic Engineering	4
04	CE6404	Surveying II	3
04	MA6459	Numerical Methods	4
04	CE6405	Soil Mechanics	3
04	CE6402	Strength of Materials	4
05	CE6501	Structural Analysis I	4
05	CE6502	Foundation Engineering	3
05	CE6503	Environmental Engineering I	3
05	CE6504	Highway Engineering	3
05	CE6505	Design of Reinforced Concrete Elements	3
05	CE6506	Construction Techniques, Equipment and Practice	3
06	CE6601	Design of Reinforced Concrete & Brick Masonry Structures	3
06	CE6602	Structural Analysis II	4
06	CE6603	Design of Steel Structures	4
06	CE6604	Railways, Airports and Harbour Engineering	3
06	CE6605	Environmental Engineering II	3
06	CE6003	Remote Sensing Techniques and GIS	3
06	CE6001	Hydrology	3
06	CE6002	Concrete Technology	3
06	CE6005	Construction Planning and Scheduling	3
06	GE6075	Professional Ethics in Engineering	3
06	CE6004	Architecture	3
07	CE6701	Structural Dynamics and Earthquake Engineering	3
07	CE6702	Prestressed Concrete Structures	3

ANNA UNIVERSITY, CHENNAI - 600 025
B.E./B.Tech./ B.Arch. DEGREE EXAMINATIONS
(REGULATIONS-2013)

B.E. Civil Engineering

Semester	Subject Code	Subject Name	Credits
07	CE6703	Water Resources and Irrigation Engineering	3
07	CE6704	Estimation and Quantity Surveying	3
07	CE6009	Water Resources Systems Analysis	3
07	CE6010	Pavement Engineering	3
07	CE6008	Groundwater Engineering	3
07	CE6007	Housing Planning and Management	3
07	CE6006	Traffic Engineering and Management	3
07	CE6012	Ground Improvement Techniques	3
07	CE6011	Air Pollution Management	3
07	EN6801	Environmental Impact Assessment	3
07	CE6023	Industrial Waste Management	3
07	EN6501	Municipal Solid Waste Management	3
08	MG6851	Principles of Management	3
08	GE6757	Total Quality Management	3
08	CE6017	Experimental Analysis of Stress	3
08	GE6084	Human Rights	3
08	CE6016	Prefabricated Structures	3
08	CE6013	Bridge Structures	3
08	CE6015	Tall Buildings	3
08	CE6014	Storage Structures	3
08	CE6019	Industrial Structures	3
08	CE6021	Repair and Rehabilitation of Structures	3

Branch Name   **B.E. Computer Science And Engineering**

Semester	Subject Code	Subject Name	Credits
01	GE6151	Computer Programming	3
01	GE6152	Engineering Graphics	4
01	MA6151	Mathematics-I	4
01	PH6151	Engineering Physics- I	3
01	CY6151	Engineering Chemistry- I	3
01	HS6151	Technical English-I	4
02	CS6201	Digital Principles and System Design	3
02	CS6202	Programming and Data Structures I	3
02	HS6251	Technical English-II	4
02	PH6251	Engineering Physics-II	3
02	CY6251	Engineering Chemistry-II	3
02	MA6251	Mathematics-II	4
03	GE6351	Environmental Science and Engineering	3
03	CS6301	Programming and Data Structures -II	3
03	CS6302	Database Management Systems	3
03	MA6351	Transforms and Partial Differential Equations	4
03	CS6303	Computer Architecture	3
03	CS6304	Analog and Digital Communication	3
04	MA6453	Probability and Queueing Theory	4
04	EC6504	Microprocessor and Microcontroller	3
04	CS6551	Computer Networks	3
04	CS6403	Software Engineering	3
04	CS6402	Design and Analysis of Algorithms	3
04	CS6401	Operating Systems	3
05	CS6504	Computer Graphics	3
05	CS6501	Internet Programming	4
05	CS6502	Object Oriented Analysis and Design	3
05	CS6503	Theory of Computation	3
05	MA6566	Discrete Mathematics	4
06	CS6601	Distributed Systems	3
06	IT6601	Mobile Computing	3
06	CS6660	Compiler Design	3
06	CS6659	Artificial Intelligence	3
06	IT6502	Digital Signal Processing	4
06	CS6002	Network Analysis and Management	3
06	CS6001	C# and .Net Programming	3
06	IT6702	Data Warehousing and Data Mining	3
06	IT6004	Software Testing	3
06	GE6757	Total Quality Management	3
07	CS6701	Cryptography and Network Security	3
07	CS6702	Graph Theory and Applications	3
07	CS6703	Grid and Cloud Computing	3
07	CS6704	Resource Management Techniques	3

ANNA UNIVERSITY, CHENNAI - 600 025
B.E./B.Tech./ B.Arch. DEGREE EXAMINATIONS
(REGULATIONS-2013)

Branch Name   **B.E. Computer Science And Engineering**

Semester	Subject Code	Subject Name	Credits
07	CS6003	Ad hoc and Sensor Networks	3
07	CS6005	Advanced Database Systems	3
07	BM6005	Bio Informatics	3
07	IT6801	Service Oriented Architecture	3
07	CS6004	Cyber Forensics	3
07	CS6006	Game Programming	3
07	IT6006	Data Analytics	3
07	IT6005	Digital Image Processing	3
07	CS6007	Information Retrieval	3
07	EC6703	Embedded and Real Time Systems	3
08	CS6801	Multi - Core Architectures and Programming	3
08	CS6009	Nano Computing	3
08	CS6008	Human Computer Interaction	3
08	IT6011	Knowledge Management	3
08	CS6013	Foundation Skills in Integrated Product Development	3
08	CS6010	Social Network Analysis	3
08	MG6088	Software Project Management	3
08	CS6011	Natural Language Processing	3
08	GE6075	Professional Ethics in Engineering	3
08	CS6012	Soft Computing	3

Branch Name		**B.E. Electrical and Electronics**	
Semester	Subject Code	Subject Name	Credits
01	GE6151	Computer Programming	3
01	GE6152	Engineering Graphics	4
01	MA6151	Mathematics-I	4
01	PH6151	Engineering Physics- I	3
01	CY6151	Engineering Chemistry- I	3
01	HS6151	Technical English-I	4
02	GE6251	Basic Civil and Mechanical Engineering	4
02	EE6201	Circuit Theory	4
02	HS6251	Technical English-II	4
02	PH6251	Engineering Physics-II	3
02	CY6251	Engineering Chemistry-II	3
02	MA6251	Mathematics-II	4
03	GE6351	Environmental Science and Engineering	3
03	EC6202	Electronic Devices and Circuits	4
03	EE6301	Digital Logic Circuits	4
03	MA6351	Transforms and Partial Differential Equations	4
03	EE6302	Electromagnetic Theory	4
03	EE6303	Linear Integrated Circuits and Applications	3
04	CS6456	Object Oriented Programming	3
04	MA6459	Numerical Methods	4
04	EE6401	Electrical Machines - I	4
04	EE6403	Discrete Time Systems and Signal Processing	3
04	EE6404	Measurements and Instrumentation	3
04	EE6402	Transmission and Distribution	3
05	IC6501	Control Systems	4
05	ME6701	Power Plant Engineering	3
05	EE6501	Power System Analysis	3
05	EE6502	Microprocessors and Microcontrollers	3
05	EE6504	Electrical Machines - II	4
05	EE6503	Power Electronics	3
06	EE6003	Optimisation Techniques	3
06	EE6001	Visual Languages and Applications	3
06	EE6002	Power System Transients	3
06	IC6601	Advanced Control System	3
06	EC6651	Communication Engineering	3
06	EE6601	Solid State Drives	3
06	EE6602	Embedded Systems	3
06	EE6603	Power System Operation and Control	3
06	EE6604	Design of Electrical Machines	4
07	EE6008	Microcontroller Based System Design	3
07	GE6081	Fundamentals of Nanoscience	3
07	IC6002	System Identification and Adaptive Control	3
07	EI6704	Biomedical Instrumentation	3

Branch Name   **B.E. Electrical and Electronics**

Semes ter	Subject Code	Subject Name	Credits
07	EE6701	High Voltage Engineering	3
07	EE6702	Protection and Switchgear	3
07	EE6703	Special Electrical Machines	3
07	EE6004	Flexible AC Transmission Systems	3
07	EE6005	Power Quality	3
07	EE6006	Applied Soft Computing	3
07	EI6703	Fibre Optics and Laser Instruments	3
07	EE6007	Micro Electro Mechanical Systems	3
07	MG6851	Principles of Management	3
08	IC6003	Principles of Robotics	3
08	EE6009	Power Electronics for Renewable Energy Systems	3
08	EE6010	High Voltage Direct Current Transmission	3
08	EE6011	Power System Dynamics	3
08	EE6801	Electric Energy Generation, Utilization and Conservation	3
08	EC6601	VLSI Design	3
08	EE6012	Computer Aided Design of Electrical Apparatus	3
08	GE6075	Professional Ethics in Engineering	3
08	GE6083	Disaster Management	3
08	GE6757	Total Quality Management	3

ANNA UNIVERSITY, CHENNAI - 600 025
B.E./B.Tech./ B.Arch. DEGREE EXAMINATIONS
(REGULATIONS-2013)

Branch Name **B.E. Electronics and Communication**

Semester	Subject Code	Subject Name	Credits
01	GE6151	Computer Programming	3
01	GE6152	Engineering Graphics	4
01	MA6151	Mathematics-I	4
01	PH6151	Engineering Physics- I	3
01	CY6151	Engineering Chemistry- I	3
01	HS6151	Technical English-I	4
02	EC6201	Electronic Devices	3
02	EE6201	Circuit Theory	4
02	HS6251	Technical English-II	4
02	PH6251	Engineering Physics-II	3
02	CY6251	Engineering Chemistry-II	3
02	MA6251	Mathematics-II	4
03	EC6303	Signals and Systems	4
03	EC6302	Digital Electronics	3
03	EC6301	Object Oriented Programming and Data Structures	3
03	EE6352	Electrical Engineering and Instrumentation	4
03	MA6351	Transforms and Partial Differential Equations	4
03	EC6304	Electronic Circuits- I	4
04	EC6403	Electromagnetic Fields	4
04	MA6451	Probability and Random Processes	4
04	EC6401	Electronic Circuits II	3
04	EC6402	Communication Theory	3
04	EC6404	Linear Integrated Circuits	3
04	EC6405	Control System Engineering	3
05	EC6503	Transmission Lines and Wave Guides	4
05	EC6502	Principles of Digital Signal Processing	4
05	GE6351	Environmental Science and Engineering	3
05	EC6504	Microprocessor and Microcontroller	3
05	EC6501	Digital Communication	3
06	EC6602	Antenna and Wave Propagation	3
06	EC6601	VLSI Design	3
06	CS6551	Computer Networks	3
06	MG6851	Principles of Management	3
06	CS6303	Computer Architecture	3
06	EC6001	Medical Electronics	3
06	CS6401	Operating Systems	3
06	EC6002	Advanced Digital Signal Processing	3
06	EC6003	Robotics and Automation	3
07	EC6009	Advanced Computer Architecture	3
07	EC6011	Electro Magnetic Interference and Compatibility	3
07	EC6010	Electronics Packaging	3
07	EC6008	Web Technology	3
07	EC6007	Speech Processing	3

ANNA UNIVERSITY, CHENNAI - 600 025
B.E./B.Tech./ B.Arch. DEGREE EXAMINATIONS
(REGULATIONS-2013)

Branch Name		B.E. Electronics and Communication	
Semester	*Subject Code*	*Subject Name*	*Credits*
07	EC6015	Radar and Navigational Aids	3
07	EC6013	Advanced Microprocessors and Microcontrollers	3
07	EC6012	CMOS Analog IC Design	3
07	EC6014	Cognitive Radio	3
07	EC6016	Opto Electronic Devices	3
07	EC6701	RF and Microwave Engineering	3
07	EC6702	Optical Communication and Networks	3
07	IT6005	Digital Image Processing	3
07	EC6005	Electronic Testing	3
07	EC6006	Avionics	3
07	EC6004	Satellite Communication	3
07	EC6703	Embedded and Real Time Systems	3
07	CS6012	Soft Computing	3
08	CS6701	Cryptography and Network Security	3
08	EC6801	Wireless Communication	3
08	EC6018	Multimedia Compression and Communication	3
08	GE6082	Indian Constitution and Society	3
08	EC6019	Data Converters	3
08	EC6802	Wireless Networks	3
08	MG6088	Software Project Management	3
08	CS6003	Ad hoc and Sensors Networks	3
08	GE6075	Professional Ethics in Engineering	3
08	GE6083	Disaster Management	3
08	MG6071	Entrepreneurship Development	3
08	GE6757	Total Quality Management	3
08	GE6084	Human Rights	3

ANNA UNIVERSITY, CHENNAI - 600 025
B.E./B.Tech./ B.Arch. DEGREE EXAMINATIONS
(REGULATIONS-2013)

B.E. Mechanical Engineering

Branch Name

Semester	Subject Code	Subject Name	Credits
01	GE6151	Computer Programming	3
01	GE6152	Engineering Graphics	4
01	MA6151	Mathematics-I	4
01	PH6151	Engineering Physics- I	3
01	CY6151	Engineering Chemistry- I	3
01	HS6151	Technical English-I	4
02	GE6253	Engineering Mechanics	4
02	GE6252	Basic Electrical and Electronics Engineering	4
02	HS6251	Technical English-II	4
02	PH6251	Engineering Physics-II	3
02	CY6251	Engineering Chemistry-II	3
02	MA6251	Mathematics-II	4
03	ME6301	Engineering Thermodynamics	3
03	ME6302	Manufacturing Technology - I	3
03	EE6351	Electrical Drives and Controls	3
03	MA6351	Transforms and Partial Differential Equations	4
03	CE6306	Strength of Materials	4
03	CE6451	Fluid Mechanics and Machinery	3
04	ME6401	Kinematics of Machinery	3
04	ME6402	Manufacturing Technology - II	3
04	MA6452	Statistics and Numerical Methods	4
04	GE6351	Environmental Science and Engineering	3
04	ME6404	Thermal Engineering	3
04	ME6403	Engineering Materials and Metallurgy	3
05	ME6503	Design of Machine Elements	3
05	ME6505	Dynamics of Machines	3
05	ME6501	Computer Aided Design	3
05	ME6502	Heat and Mass Transfer	3
05	GE6075	Professional Ethics in Engineering	3
05	ME6504	Metrology and Measurements	3
06	ME6604	Gas Dynamics and Jet Propulsion	3
06	ME6003	Renewable Sources of Energy	3
06	ME6002	Refrigeration and Air conditioning	3
06	ME6001	Quality Control and Reliability Engineering	3
06	MG6072	Marketing Management	3
06	ME6004	Unconventional Machining Processes	3
06	ME6603	Finite Element Analysis	3
06	MG6851	Principles of Management	3
06	ME6602	Automobile Engineering	3
06	ME6601	Design of Transmission Systems	3
07	GE6081	Fundamentals of Nanoscience	3
07	ME6701	Power Plant Engineering	3
07	ME6703	Computer Integrated Manufacturing Systems	3

ANNA UNIVERSITY, CHENNAI - 600 025
B.E./B.Tech./ B.Arch. DEGREE EXAMINATIONS
(REGULATIONS-2013)

Branch Name

B.E. Mechanical Engineering

Semes ter	Subject Code	Subject Name	Credits
07	ME6702	Mechatronics	3
07	ME6007	Composite Materials and Mechanics	3
07	ME6005	Process Planning and Cost Estimation	3
07	ME6006	Design of Jigs, Fixtures and Press Tools	3
07	ME6009	Energy Conservation and Management	3
07	ME6008	Welding Technology	3
07	EE6007	Micro Electro Mechanical Systems	3
07	ME6011	Thermal Turbo Machines	3
07	ME6010	Robotics	3
07	ME6021	Hydraulics and Pneumatics	3
07	GE6757	Total Quality Management	3
07	ME6012	Maintenance Engineering	3
08	MG6863	Engineering Economics	3
08	ME6014	Computational Fluid Dynamics	3
08	IE6605	Production Planning and Control	3
08	ME6016	Advanced I.C. Engines	3
08	ME6019	Non Destructive Testing and Materials	3
08	ME6018	Additive Manufacturing	3
08	MG6071	Entrepreneurship Development	3
08	ME6015	Operations Research	3