

ANNEXURE-II**4th Semester (Revised from 2013-14) (Having Full Marks of 70 or 35)**

Branch	Name of the Subject	Code No.
ARCH	Design of Structures-I	401(S)
	History of Architecture-II	402(S)
	Materials & Methods of Construction-II	403(S)
	Building Services & Equipments-II	404(S)
	Architectural Graphics (4 Hrs. Exam)	405(S)
	Architectural Design & Drawing (6 Hrs Exam)	406(S)
AGR	Principles of Agronomy	407(S)
	Dairy & Food Products Technology	408(S)
	Ground Water, Wells & Pumps	409(S)
	Soil Mechanics	410(S)
	PHE of Horticultural Crops	411(S)
	Agricultural Economics & Farm Management	412(S)
AE	Heat Power Engineering-II (2 Hrs. Exam)	413(S)
	Advanced Automobile Engines	414(S)
	Automobile Transmission System	415(S)
	Automobile Manufacturing Process	416(S)
	Theory of Machines & Mechanism (For AE)	417(S)
CHE	Process Heat Transfer	418(S)
	Mechanical Operation	419(S)
	Energy Engineering	420(S)
	Programming in C	421(S)
	Materials Science	422(S)

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CE	Advanced Surveying	423(S)
	Geotechnical Engineering-I	424(S)
	Transportation Engineering-I	425(S)
	Estimating and Costing	426(S)
	Irrigation Engineering	427(S)
CST	Microprocessor & Programming	428(S)
	Computer Network (For CST)	429(S)
	Relational Database Management Systems (For CST)	430(S)
	Object Oriented Programming	431(S)
	Computer Graphics	432(S)
CSWT	Microprocessor & Microcontroller	433(S)
	Data Structure	434(S)
	Computer Organisation & Architecture	435(S)
	Operating System	436(S)
	Communication Technique	437(S)
EE, EEE, EEIC, EPS	Electrical Machine-II	438(S)
EE	Electrical Measurement & Control	439(S)
	Transmission & Distribution of Power	440(S)
EE, EEIC, EPS	Applied & Digital Electronics	441(S)
EE, EEE, EEIC, EPS	Power Plant Engineering	442(S)
EIE	Analog Electronics	443(S)
EIE, ICE	Digital Electronics (For EIE & ICE)	444(S)
	Process Instrumentation-I	445(S)
	Electronic Measuring Instruments (2 Hrs. Exam)	446(S)
	Process Control	447(S)
ETCE, ECE	Elementary Communication Engineering	448(S)

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ETCE, EEE, ECE	Analog Electronics-II	449(S)
	Consumer Electronics	450(S)
ETCE, ECE	Microprocessor	451(S)
FPT	Chemistry of Food-II	452(S)
	Unit Operation of Chemical Engineering-II	453(S)
	Technology of Food Preservation	454(S)
	Microbial Technology	455(S)
FWT	Footwear Machinery-I	456(S)
	Method of Footwear Manufacture-II	457(S)
	Principles of Shoe Designing & Pattern Cutting-II	458(S)
	Footwear Material Testing (2 Hrs. Exam)	459(S)
	Footwear Merchandising (2 Hrs. Exam)	460(S)
IT	Microprocessor & Its Programming	461(S)
	Computer Network (For IT)	462(S)
	Relational Database Management Systems (For IT)	463(S)
	Object Oriented Programming using C++	464(S)
	Management Information System	465(S)
LGT	Principles of Designing & Pattern Developing	466(S)
	Leather Goods Manufacturing Techniques	467(S)
	Material Study (Non-Leather)	468(S)
	Machineries for Leather Goods-I	469(S)
	Elements of Fashion Forecasting (2 Hrs. Exam)	470(S)
ME & MEP	Theory of Machines & Mechanism	471(S)
ME	Thermal Engineering-II	472(S)
	Manufacturing Processes-II	473(S)
	Principles of Electrical Engineering	474(S)

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	Engineering Metrology (2 Hrs. Exam)	475(S)
MEP	Fluid Mechanics & Hydraulic Machines	476(S)
	Engineering Thermodynamics	477(S)
	Casting & Forming Processes	478(S)
	Clinical Biochemistry & Biophysics	479(S)
MLT	Serology & Biopsy	480(S)
	Biomedical Instrumentation-II	481(S)
	Medical Techniques	482(S)
	Analog Electronics (For MLT)	483(S)
	Iron Making Process	484(S)
MET	Physical Metallurgy	485(S)
	Metal Working	486(S)
	Fuel, Furnace & Refractory	487(S)
	Electrical Engineering (2 Hrs. Exam)	488(S)
	Mining Geology	489(S)
MIN	Special Underground Methods, Rock Mechanics & Supports	490-A(S)
	Surface Mining	490-B(S)
	Underground Metalliferous Mining & Tunelling	490-C(S)
	Mining Hazards	490-D(S)
MS	Mining Technology	491-A(S)
	Basic Surveying-III	491-B(S)
	Advance Surveying-I	491-C(S)
MOPM	Operations Research	492-A(S)
	Principles of Auditing	492-B(S)
	Entrepreneurship Development	492-C(S)
	Principles of Banking	492-D(S)

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	Office Equipment & Communication System	492-E(S)
	Financial Management	492-F(S)
MT	Web Designing & Java Script	493-A(S)
	Multimedia Technology-I (Audio & Video)	493-B(S)
	Video Editing & Compositing	493-C(S)
	Cel & 2D Animation	493-D(S)
PT	Plastic Technology	494-A(S)
	Metal Packaging	494-B(S)
	Glass Packaging	494-C(S)
	Ancillary Material	494-D(S)
	Pharmaceutical Packaging (2 Hrs. Exam)	494-E(S)
PHO	Digital Photography	495-A(S)
	Indoor & Outdoor Still Photography-II	495-B(S)
	Multimedia & Animation-I	495-C(S)
	Videography-I	495-D(S)
DP	Printers' Material Science-II	496-A(S)
	Press Work-II	496-B(S)
	Digital Prepress	496-C(S)
	Print Design	496-D(S)
SE	Land Laws & Land Records (2 Hrs. Exam)	497-A(S)
	Accounts & Contracts	497-B(S)
	Topography & Hydrography	497-C(S)
	Tunnel & Mine Survey	497-D(S)
	Curve Setting (2 Hrs. Exam)	497-E(S)
EEE	Digital Electronics	498-A(S)
	Analog & Digital Communication	498-B(S)

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EEIC, EPS	Transfer System of Electrical Power	499-A(S)
	Power Electronics & Its Applications	499-B(S)
ICE	Applied Electronics-I	499-C-1(S)
GIS &GPS	Spatial Statistics-II	499-D-1(S)
	Advance Surveying-I (For GIS)	499-D-2(S)
	Remote Sensing & Satellite Image Processing	499-D-3(S)
	Elements of Geographic Information System	499-D-4(S)
	Fundamentals of Global Positioning System (2 Hrs. Exam)	499-D-5(S)
RE	Solar Photovoltaic - II	499-E-1(S)
	Wind Energy	499-E-2(S)
	Bio-Energy	499-E-3(S)
	Elective –I	499-E-4(S)
	Elective –II	499-E-5(S)
ID	Evolution of Interior Design – II	499-F-1(S)
	Evolution of Interior Design – II	499-F-2(S)
	Services-I	499-F-3(S)
	Interior Landscape	499-F-4(S)
	Design & Drawing A (6 Hr. Exam)	499-F-5(S)
	Graphics (4 Hr. Exam)	499-F-6(S)

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6th Semester (Revised from 2013-14) (Having Full Marks of 70 or 35)

Branch	Name of the Subject	Code No.
Common to AE, CHE, CSWT, EE, EIE, ETCE, EEIC, EPS, EEE, FPT, IT, ME, MEP, MET, MT, PT, PHO, DP, SE	Industrial Management	601(S)
CST, IT	Advanced Java Programming	602(S)
CE, SE, GIS	Environmental Engineering	603(S)
ME & MEP	Design of Machine Elements	604(S)
	Production Management (2 Hours Exam)	605(S)
ARCH	Architectural Professional Practice (2 Hours Exam)	606(S)
	Contemporary Architecture-II	607(S)
	Estimating, Costing, Specification & Valuation-II	608(S)
	Building Maintenance (2 Hours Exam)	609(S)
	Architectural Design & Drawing-II (12 Hours Exam)	610(S)
	Alternative Building Technology-II (Elective) (2 Hours Exam)	611/1(S)
	Interior Design-II (Elective) (2 Hours Exam)	611/2(S)
	Landscape Design-II (Elective) (2 Hours Exam)	611/3(S)
AGR	Handling, Packing & Storage of Agricultural Products (2 Hrs Exam)	612(S)
	Renewable Energy Sources (2 Hours Exam)	613(S)
	Farm Machinery & Equipments	614(S)
	Watershed & Hydrology (2 Hours Exam)	615(S)
	Low Temperature Preservation of Food Products (Elective)	616/1(S)
	Food Science (Elective)	616/2(S)

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	Farm Power & Machinery Management (Elective)	616/3(S)
AE	Workshop Organisation & Vehicle Maintenance Management	617(S)
	Motor Vehicles Act & Transport Management	618(S)
	Alternate Energy Source & Management (Elective)	619/1(S)
	CAD-CAM & Automation (For AE) (Elective)	619/2(S)
	Automobile Air-Conditioning (Elective)	619/3(S)
	Special Purpose Vehicles (Elective)	619/4(S)
CHE	Instrumentation	620(S)
	Chemical Technology-II	621(S)
	Separation Process-II	622(S)
	Petrochemicals (Elective)	623/1(S)
	Ceramic Technology (Elective)	623/2(S)
CE	Design of Steel Structure	624(S)
	Construction & Disaster Management	625(S)
	Advanced Construction Techniques & Equipments (Elective)	626/1(S)
	Maintenance & Rehabilitation of Structure (Elective)	626/2(S)
	Architectural Practices & Interior Design (Elective)	626/3(S)
	Micro Irrigation (Elective)	626/4(S)
	Watershed Management (Elective)	626/5(S)
	Water Resource Management (Elective)	626/6(S)
Earthquake Engineering (Elective)	626/7(S)	
CST	Management	627(S)
	System Programming & Compiler Design	628(S)
	Numerical Methods (Elective) (Common with CSWT & IT)	629/637/657(S)
	Advanced Web Technology (Elective)	630/1(S)
	Digital Image Processing (Elective) (Common with IT)	631/658(S)

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CSWT	Theory of Computation (For CSWT)	632(S)
	Software Testing	633(S)
	Compiler Design (Elective)	634/1(S)
	Operation Research Methods (Elective)	634/2(S)
	Image Processing (Elective)	634/3(S)
	Numerical Methods (Elective) (Common with CST & IT)	629/637/657(S)
EE, EPS	Electrical Design, Estimation & Costing	638(S)
EE	Electrical Installation, Maintenance & Testing	639(S)
EE, EEIC, EPS, EEE	Industrial Automation (Elective)	640/1(S)
EE	Process Control & Instrumentation (Elective)	640/2(S)
EE, EEIC, EPS, EEE	Control of Electrical Machine (Elective)	640/3(S)
EE, EEIC	Computer Hardware & Networking (Elective)	640/4(S)
EIE & ICE	Advanced Microprocessor & Microcontroller	641(S)
	Biomedical Instrumentation (2 Hours Exam)	642(S)
EIE	Electronic Communication Fundamentals (2 Hours Exam)	643(S)
	Power Plant Instrumentation (Elective) (2 Hours Exam)	644/1(S)
EIE & ICE	Automation Solution (Elective) (2 Hours Exam)	644/2(S)
	Computer Aided Instrumentation (Elective) (2 Hours Exam)	644/3(S)
	Computer Hardware & Networking (For EIE) (Elective) (2 Hrs Exam)	644/4(S)
ETCE & ECE	Advance Communication Engineering	645(S)
ETCE & EEE	Instrumentation & Control	646(S)
	Industrial Electronics-II	647(S)
ETCE	Computer Network-II (Elective) (2 Hours Exam)	648/1(S)
	Medical Electronics-II (Elective) (2 Hours Exam)	648/2(S)
	Digital Signal Processing-II (Elective) (2 Hours Exam)	648/3(S)
	Computer Hardware Maintenance-II (Elective) (2 Hours Exam)	648/4(S)

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FPT	Food Packaging Technology	649(S)
	Food Safety & Quality Control	650(S)
	Food Industries Waste Management (Elective)	651/1(S)
	Fermentation Technology (Elective)	651/2(S)
FWT	Industrial Management with Marketing	652(S)
	Selection of Material Non-Leather & Accessories	653(S)
	Entrepreneurship Development (For FWT)	654(S)
	Leather Technology-II (Elective) (2 Hours Exam) (Common with LGT)	655/664(S)
	Leather Goods Technology-II (Elective) (2 Hours Exam)	655/1(S)
IT	Systems Programming	656(S)
	Numerical Methods (Elective) (Common with CST & CSWT)	629/637/657(S)
	Digital Image Processing (Elective) (Common with CST)	631/658(S)
	Software Testing (For IT) (Elective)	659/1(S)
LGT	Industrial Management & Leather Goods Marketing	660(S)
	Entrepreneurship Development, Professional Values & Ethics	661(S)
	Fundamentals of Safety Leather Goods (2 Hours Exam)	662(S)
	Footwear Technology-II (Elective) (2 Hours Exam)	663/1(S)
	Leather Technology-II (Elective) (2 Hours Exam) (Common with FW)	655/664(S)
ME	Fluid Power	665(S)
	Refrigeration & Air-Conditioning (Elective) (2 Hours Exam)	667/1(S)
	CAD-CAM & Automation (Elective) (2 Hours Exam)	667/2(S)
	Alternate Energy Sources & Management (Elective) (2 Hours Exam)	667/3(S)
	Material Handling Systems (Elective) (2 Hours Exam)	667/4(S)
MEP	Tool Engineering	668(S)
	Material Handling (Elective) (2 Hours Exam)	669/1(S)
	Installation, Maintenance of Medical Equipment	670(S)

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MLT	Advanced Biomedical Engineering	671(S)
	Microprocessor & Microcontroller (For MLT)	672(S)
	Biomaterials (Elective)	673/1(S)
	Tissue Engineering (Elective)	673/2(S)
	Artificial Organ & Rehabilitation Engineering (Elective)	673/3(S)
MET	Advance Engineering Materials & Corrosion Metallurgy	674(S)
	Heat Treatment Technology	675(S)
	Non-Ferrous Metallurgy	676(S)
	Ferro Alloys & Directly Reduced Iron (Elective)	677/1(S)
MS	Advance Surveying-III	678(S)
	Mine Surveying-II	679(S)
	Mine Surveying-III	680(S)
	Estimation & Contract	681(S)
MIN	Mine Management, Legislation & General Safety-II	682(S)
	Mining Machinery-I	683(S)
	Mining Machinery-II	684(S)
	Mine Ventilation-II (2 Hours Exam)	685(S)
	Mine Surveying-II	686(S)
MOPM	Management Information System	687(S)
	Human Resource Management	688(S)
	Total Quality Management	689(S)
	Office & Business Correspondence	690(S)
	Industrial Relations	691(S)
	Office Administration-II (Elective) (2 Hours Exam)	692/1(S)
	Record Management Principles-II (Elective) (2 Hours Exam)	692/2(S)
	Multimedia Authoring-II	693A-1(S)

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MT	Multimedia Production & Packaging	693A-2(S)
	Post Production & Special Effects	693A-3(S)
	Advanced Web Technology (For MT) (Elective)	693A-4/1(S)
	Television Production (Elective)	693A-4/2(S)
PT	Package Testing & Evaluation	693B-1(S)
	Package Design	693B-2(S)
	Security Printing (Elective)	693B-3/1(S)
	Application of Computer in Packaging (Elective)	693B-3/2(S)
	Coding System for Packaging (Elective)	693B-3/3(S)
PHO	Motion Picture Photography-II	693C-1(S)
	Filming & Editing Technique-II	693C-2(S)
	Light & Sound in Motion Picture Photography (2 Hours Exam)	693C-3(S)
	Short Film / Video Production (Elective)	693C-4/1(S)
DP	Planographic Technique-II	693D-1(S)
	Printing Machine Maintenance-II	693D-2(S)
	Machine Printing (Elective)	693D-3/1(S)
	Printing Surfaces (Elective)	693D-3/2(S)
	Typography & Graphics (Elective)	693D-3/3(S)
SE	Photogrammetry & Remote Sensing	693E-1(S)
	Municipal Engineering (Elective)	693E-2/1(S)
	Mining Technology (Elective)	693E-2/2(S)
	Town & Country Planning (Elective)	693E-2/3(S)
	Transmission Line Survey (Elective)	693E-2/4(S)
EEIC	Industrial Control-II	693F-1(S)
	Industrial Control-III	693F-2(S)
	Electrical Installation, Maintenance & Safety	693F-3(S)

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EPS	Power System Operation & Load Dispatch	693G-1(S)
	Electrical Installation, Maintenance, Testing & Repairing	693G-2(S)
	Computer Aided Power System Analysis & Operation (Elective)	693G-3/1(S)
EEE	Process Control (Elective)	693H-1/1(S)
	Computer Networking (Elective)	693H-1/2(S)
GIS &GPS	Entrepreneurship Development (For GIS) 2 Hours Exam	694J-1(S)
	Environmental Engineering (For GIS)	694J-2-(S)
	Application of GIS in Urban, Rural Development & Regional Planning	694J-3(S)
	Application of GIS in Disaster Management (Elective)	694J-4-2(S)