

**WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION**

**Indent of Question Papers for Diploma in Engineering/Technological Examinations**

**Semester System of Examinations Day-time to be held on \_\_\_\_\_**

Name of the Institute: \_\_\_\_\_

**1st Semester (Revised from 2008-09) (Having Full Marks of 75 or 38)**

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
Common to all except MOPM	1	Communication Skills (Studies)	101(S)		
	2	Physics-I	102(S)		
	3	Chemistry-I	103(S)		
	4	Mathematics	104(S)		
Common to all except MOPM, PHO & DP	5	Engineering Mechanics	105(S)		
ETCE, EE, CST, CSWT, IT, MLT, FPT, CHE, EIE, MET, PHO & DP	6	Technical Drawing (4 Hrs. Exam)	106(S)		
PHO	7	Basic Engineering for Photography	107(S)		
DP	8	Basic Engineering for Printing	108(S)		
MOPM	9	Communication in English	109(S)		
	10	Principles of Management-I	110(S)		
	11	Stenography & Type Writing-I	111(S)		
	12	Business Mathematics	112(S)		
	13	Behavioural Principles	113(S)		

**1st Semester (for Casual students of OLD Syllabus only) (Having Full Marks of 100 or 50)**

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
Common to all except MOPM	1	Mathematics	101(SO)		
	2	Communication Skills (Studies)	102(SO)		
	3	Physics-I	103(SO)		
	4	Chemistry-I	104(SO)		
Common to all except FT, IDHF, PHO, DP & MOPM	5	Engineering Mechanics	105(SO)		
Common to FT & IDHF	6	Visual Design-I	106(SO)		
PHO	7	Basic Engineering for Photography	107(SO)		
DP	8	Basic Engineering for Printing	108(SO)		
MOPM	9	Behavioural Principles	109(SO)		
	10	Communication in English	110(SO)		
	11	Principles of Management-I	111(SO)		
	12	Stenography & Type Writing-I	112(SO)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	13	Business Mathematics	113(SO)		

***3rd Semester (Revised from 2008-09) (Having Full Marks of 75 or 38)***

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
Common to All	1	Environmental Engineering	301(S)		
Common to all except ARCH, ETCE, FT, IDHF, MOPM & PHO	2	Basic Electronics	302(S)		
Common to all except ARCH, CE, ETCE, FT, FWT, IDHF, MIN, MET, MS, MOPM, PHO, DP & SE	3	Programming in C	303(S)		
CST, CSWT & IT	4	Discrete Mathematics	304(S)		
CST, CSWT, IT & MLT	5	Digital Logic Design	305(S)		
CST & CSWT	6	Computer Organisation	306(S)		
EE & INST	7	Circuit Theory	307(S)		
MS & SE	8	Chain & Compass Survey	308(S)		
	9	Levelling & Plane Table Surveying	309(S)		
ARCH & IDHF	10	Materials & Methods of Construction-I	310(S)		
	11	Building Services & Equipments-I	311(S)		
ARCH	12	Theory of Structures	312(S)		
	13	History of Architecture-I	313(S)		
AE	14	Heat Power Engineering-I	314(S)		
	15	Automobile Engine-I	315(S)		
	16	Automobile Chassis-I	316(S)		
CHE	17	Material Science	317(S)		
	18	Fluid Mechanics	318(S)		
	19	Chemical Engineering Thermodynamics	319(S)		
CE	20	Building Materials & Construction	320(S)		
	21	Hydraulics & Hydraulic Structure	321(S)		
	22	Field Surveying-I	322(S)		
	23	Quantity Surveying	323(S)		
EE	24	Electrical Machines-I	325(S)		
	25	Electrical Measurement & Measuring Instruments	326(S)		
ETCE	26	Network Analysis	327(S)		
	27	Analog Electronics-I	328(S)		
	28	C Programming	329(S)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	29	Digital Electronics	330(S)		
	30	Electrical Engineering	331(S)		
FT	31	History of Art-II	332(S)		
	32	Historical Costumes	333(S)		
	33	Contemporary Fashion	334(S)		
	34	Textile Fibres & Fabrics-I	335(S)		
FPT	35	Food Microbiology	336(S)		
	36	Food Biochemistry	337(S)		
	37	Food & Agro-Processing Fundamentals	338(S)		
	38	Applied Nutrition	339(S)		
FWT	39	Principle of Footwear Manufacture	340(S)		
	40	Method of Footwear Manufacture	341(S)		
	41	Principle of Shoe Designing & Pattern Cutting	342(S)		
IDHF	42	History of Interior Design & Furniture-I	343(S)		
	43	History of Architecture	344(S)		
IT	44	Computer System Architecture	345(S)		
INST	45	Electrical Machine	346(S)		
	46	Electrical Measurement	347(S)		
ME	47	Mechanics of Materials	348(S)		
	48	Heat Power-I	349(S)		
	49	Machine Tool-I	350(S)		
MLT	50	Anatomy	351(S)		
	51	Physiology	352(S)		
MET	52	Physical Metallurgy-I	353(S)		
	53	Fuel, Furnace & Refractory	354(S)		
	54	Mechanical Testing of Metals	355(S)		
MS	55	Methods of Mining	356(S)		
MIN	56	Introduction to Mining	357(S)		
	57	Explosives, Blasting Practices & Gas Detection	358(S)		
MOPM	58	Visual Basic	359(S)		
	59	Business Statistics-II	360(S)		
	60	Conversational English-II	361(S)		
	61	Advanced Accountancy	362(S)		
	62	Principles of Banking	363(S)		
PHO	63	Principles of Photography	364(S)		
	64	Lighting Techniques	365(S)		
	65	Indoor & Outdoor Still Photography-I	366(S)		
	66	Darkroom Techniques for Still Photography-I	367(S)		
	67	Photography Design	368(S)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
DP	68	Presswork-I	369(S)		
	69	Pre-Press Reproduction Technique	370(S)		
	70	Letter Assembly	371(S)		
PE	71	Strength of Materials & Engineering Design	372(S)		
	72	Machining Technology & Machine Tools	373(S)		
	73	Analysis of Mechanism & Machines	374(S)		
SE	74	Cartography	375(S)		
PT	75	Thermodynamics & Heat Transfer	376(S)		
	76	Introduction to Packaging (Packaging Technology-I)	377(S)		
	77	Storage & Distribution Hazards (Packaging Technology-II)	378(S)		
	78	Cellulose & Fibre Board Technology (Packaging Technology-III)	379(S)		
LGT	79	Fundamentals of Leather Goods Technology	380(S)		
	80	Introduction to Leather & Its Production Knowledge	381(S)		
	81	Elements & Principles of Basic Designing	382(S)		
AGR	82	Basic Soil Science	383(S)		
	83	Surveying & Levelling	384(S)		
	84	Hydraulics	385(S)		
	85	Agricultural Process Engineering	386(S)		
	86	Thermodynamics & Transfer Process	387(S)		

**3rd Semester (for Casual students of OLD Syllabus only) (Having Full Marks of 100 or 50)**

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
Common to All	1	Environmental Engineering	301(SO)		
Common to all except ARCH, ETCE, FT, IDHF, MOPM & PHO	2	Basic Electronics	302(SO)		
Common to all except ARCH, CE, ETCE, FT, FWT, IDHF, MIN, MET, MS, MOPM, PHO, DP & SE	3	Programming in C	303(SO)		
CST, CSWT & IT	4	Discrete Mathematics	304(SO)		
CST, CSWT, IT & MLT	5	Digital Logic Design	305(SO)		
CST & CSWT	6	Computer Organisation	306(SO)		
EE & INST	7	Circuit Theory	307(SO)		
MS & SE	8	Chain & Compass Survey	308(SO)		
	9	Levelling & Plane Table Surveying	309(SO)		
ARCH & IDHF	10	Materials & Methods of Construction-I	310(SO)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	11	Building Services & Equipments-I	311(SO)		
ARCH	12	Theory of Structures	312(SO)		
	13	History of Architecture-I	313(SO)		
AE	14	Heat Power Engineering-I	314(SO)		
	15	Automobile Engine-I	315(SO)		
	16	Automobile Chassis-I	316(SO)		
CHE	17	Fundamentals of Chemical Engineering	317(SO)		
	18	Fluid Mechanics	318(SO)		
	19	Chemical Engineering Thermodynamics	319(SO)		
CE	20	Building Materials & Construction	320(SO)		
	21	Hydraulics & Hydraulic Structure	321(SO)		
	22	Field Surveying-I	322(SO)		
	23	Quantity Surveying	323(SO)		
	24	Civil Engineering Drawing-I (4 Hrs. Exam)	324(SO)		
EE	25	Electrical Machines-I	325(SO)		
	26	Electrical Measurement & Measuring Instruments	326(SO)		
ETCE	27	Network Analysis	327(SO)		
	28	Analog Electronics-I	328(SO)		
	29	C Programming	329(SO)		
	30	Digital Electronics	330(SO)		
	31	Electrical Engineering	331(SO)		
FT	32	History of Art-II	332(SO)		
	33	Historical Costumes	333(SO)		
	34	Contemporary Fashion	334(SO)		
	35	Textile Fibres & Fabrics-I	335(SO)		
FPT	36	Food Microbiology	336(SO)		
	37	Food Biochemistry	337(SO)		
	38	Food & Agro-Processing Fundamentals	338(SO)		
FWT	39	Principle of Footwear Manufacture	339(SO)		
	40	Method of Footwear Manufacture	340(SO)		
	41	Principle of Shoe Designing & Pattern Cutting	341(SO)		
IDHF	42	History of Interior Design & Furniture-I	342(SO)		
	43	History of Architecture	343(SO)		
IT	44	Computer System Architecture	344(SO)		
INST	45	Electrical Machine	345(SO)		
	46	Electrical Measurement	346(SO)		
ME	47	Mechanics of Materials	347(SO)		
	48	Heat Power-I	348(SO)		
	49	Machine Tool-I	349(SO)		
MI T	50	Anatomy	350(SO)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	51	Physiology	351(SO)		
MET	52	Basic Metallurgy	352(SO)		
	53	Fuel, Furnace & Refractory	353(SO)		
	54	Mechanical Testing of Metals	354(SO)		
MS	55	Methods of Mining	355(SO)		
MIN	56	Introduction to Mining	356(SO)		
	57	Explosives, Blasting Practices & Gas Detection	357(SO)		
MOPM	58	Visual Basic	358(SO)		
	59	Business Statistics-II	359(SO)		
	60	Conversational English-II	360(SO)		
	61	Advanced Accountancy	361(SO)		
	62	Principles of Banking	362(SO)		
PHO	63	Principles of Photography	363(SO)		
	64	Lighting Techniques	364(SO)		
	65	Indoor & Outdoor Still Photography-I	365(SO)		
	66	Darkroom Techniques for Still Photography-I	366(SO)		
	67	Photography Design	367(SO)		
DP	68	Presswork-I	368(SO)		
	69	Pre-Press Reproduction Technique	369(SO)		
	70	Letter Assembly	370(SO)		
PE	71	Strength of Materials & Engineering Design	371(SO)		
	72	Machining Technology & Machine Tools	372(SO)		
	73	Analysis of Mechanism & Machines	373(SO)		
SE	74	Cartography	374(SO)		

**5th Semester (Revised from 2008-09) (Having Full Marks of 75 or 38)**

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
Common to All except MIN, MLT, MOPM, MS, PT & AGR	1	Industrial Management	501(S)		
CST, CSWT & IT	2	Operating Systems	502(S)		
	3	Database Management System	503(S)		
	4	Automata Theory	504(S)		
CST & CSWT	5	Numerical Methods	505(S)		
MIN & MS	6	Electrical Engineering & Mechanical Engineering	506(S)		
MS & SE	7	Curve & Triangulation	507(S)		
	8	Modern Survey	508(S)		
ARCH & IDDE	9	Materials & Methods of Construction - III	509(S)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	10	Estimating-Costing, Specification & Valuation - I	510(S)		
ARCH	11	Design of Structure - II	511(S)		
	12	Contemporary Architecture - I	512(S)		
	13	Alternative Building Technology - I <b>(Elective)</b>	513/1(S)		
	14	Interior Design - I <b>(Elective)</b>	513/2(S)		
	15	Landscape Design - I <b>(Elective)</b>	513/3(S)		
AE	16	Maintenance & Service Station Management	514(S)		
	17	Automobile Chasis - II	515(S)		
	18	Manufacturing Process	516(S)		
	19	Theory of Machines	517(S)		
	20	Earth Moving Equipment & Farm Machinery - I	518(S)		
CE	21	Soil Mechanics	519(S)		
	22	Structural Design & Detailing - I	520(S)		
	23	Transportation Engineering - I	521(S)		
	24	Water & Waste Water Engineering - II	522(S)		
	25	Advanced Transport Engineering - I <b>(Elective)</b>	523/1(S)		
	26	Concrete Technology - I <b>(Elective)</b>	523/2(S)		
CHE	27	Energy Engineering	524(S)		
	28	Chemical Technology - I	525(S)		
	29	Separation Process - I	526(S)		
	30	Process Control Engineering	527(S)		
	31	Metallurgy & Material Science - I <b>(Elective)</b>	528/1(S)		
	32	Petroleum Refinery Engineering & Petrochemicals-I <b>(Elective)</b>	528/2(S)		
CST	33	Computer Architecture	529(S)		
CSWT	34	Computer Graphics	530(S)		
EE	35	Power Plant Engineering	531(S)		
	36	Transmission & Distribution Power	532(S)		
	37	Industrial Electronics	533(S)		
	38	Electrical Design & Estimating	534(S)		
	39	Computer Network - I <b>(Elective) (Common with ETCE)</b>	<b>535/540(S)</b>		
	40	Non-Conventional Energy - I <b>(Elective)</b>	535/1(S)		
	41	Process Control & Instrumentation - I <b>(Elective)</b>	535/2(S)		
ETCE	42	Electronic Measurement (For ETCE)	536(S)		
	43	Communication Engineering - II	537(S)		
	44	Industrial Electronics - I	538(S)		
	45	Microprocessor - II	539(S)		
	46	Computer Network - I <b>(Elective) (Common with EE)</b>	<b>535/540(S)</b>		
	47	Medical Electronics - I <b>(Elective)</b>	540/1(S)		
	48	PC Hardware Maintenance - I <b>(Elective)</b>	540/2(S)		
	49	Microbial Technology	541(S)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
FPT	50	Technology of Food - I	542(S)		
	51	Technology of Food - II	543(S)		
	52	Technology of Food - III	544(S)		
	53	Bakery & Confectionary Technology - I <b>(Elective)</b>	545/1(S)		
	54	Food Bio-Technology - I <b>(Elective)</b>	545/2(S)		
EIE	55	Applied Electronics	546(S)		
	56	Process Instrumentation - I	547(S)		
	57	Process Control	548(S)		
	58	Analytical Instrumentation	549(S)		
	59	Microprocessor & Computer Architecture - I <b>(Elective)</b>	550/1(S)		
	60	Biomedical Instrumentation - I <b>(Elective)</b>	550/2(S)		
IT	61	Principles of Communication	551(S)		
ME	62	Fluid Mechanics	552(S)		
	63	Heat Power - III	553(S)		
	64	Manufacturing Process & Metrology	554(S)		
	65	Advance Machine Tools & General Maintenance	555(S)		
	66	Automobile Engineering - I <b>(Elective)</b>	556/1(S)		
	67	CAD CAM - I <b>(Elective)</b>	556/2(S)		
	68	Non-Conventional Energy Sources - I <b>(Elective)</b>	556/3(S)		
	69	Power Plant Engineering - I <b>(Elective)</b>	556/4(S)		
	70	Refrigeration & Air-Conditioning - I <b>(Elective)</b>	556/5(S)		
MET	71	Iron Making	557(S)		
	72	Heat Treatment Technology	558(S)		
	73	Foundry Technology	559(S)		
	74	Welding Technology	560(S)		
	75	Ferro Alloys & Sponge Iron Production	561(S)		
MIN	76	Mine Management, Legislation & General Safety - I	562(S)		
	77	Special Underground Methods, Rock Mechanics & Fuel Tech.	563(S)		
	78	Mine Surveying - I	564(S)		
MLT	79	Hospital & Industrial Management	565(S)		
	80	Hematology & Body Fluid	566(S)		
	81	Biomedical Instrumentation - II	567(S)		
	82	Installation Maintenance & Care	568(S)		
	83	Electronic Measurement (For MLT)	569(S)		
	84	Human Performance Engineering <b>(Elective)</b>	570/1(S)		
	85	Medical Techniques <b>(Elective)</b>	570/2(S)		
MOPM	86	Industrial Relations	571(S)		
	87	Entrepreneurship Development	572(S)		
	88	Marketing Management	573(S)		
	89	Indian Constitution & Contemporary Economic Problems	574(S)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	90	Office Administration - I <b>(Elective)</b>	575/1(S)		
	91	Record Management Principles - I <b>(Elective)</b>	575/2(S)		
MS	92	Shaft & Subsidence Survey	576(S)		
	93	Mine Correlation & Joint Survey	577(S)		
	94	Mine Management, Legislation & Safety	578(S)		
MEP	95	Production Management	579(S)		
	96	Product Inspection And Quality Control	580(S)		
	97	Technology of Mass Production	581(S)		
	98	Tool Engineering	582(S)		
	99	Material Handling - I <b>(Elective)</b>	583/1(S)		
DP	100	Printers' Costing & Estimating	584(S)		
	101	Printing Machine Maintenance - I	585(S)		
	102	Binding & Finishing - I	586(S)		
	103	Planographic Printing Technique - I	587(S)		
	104	Surface Preparation Technique - I	588(S)		
	105	Typography & Graphics - I <b>(Elective)</b>	589/1(S)		
	106	Graphic Reproduction - I <b>(Elective)</b>	589/2(S)		
	107	Printing Surfaces - I <b>(Elective)</b>	589/3(S)		
PHO	108	Machine Printing - I <b>(Elective)</b>	589/4(S)		
	109	Videography - I	590(S)		
	110	Filming & Editing Techniques - I	591(S)		
	111	Motion Picture Photography - I	592(S)		
	112	Light & Sound in Motion Picture Photography - I	593(S)		
	113	Multimedia & Animation - II	594(S)		
	114	Short Film / Video Production - I <b>(Elective)</b>	595/1(S)		
SE	115	Film Appreciation - I <b>(Elective)</b>	595/2(S)		
	116	Topography & Hydrography	596(S)		
	117	Tunnel and Mine Surveying	597(S)		
	118	Municipal Engineering <b>(Elective)</b>	598/1(S)		
FWT	119	Town & Country Planning <b>(Elective)</b>	598/2(S)		
	120	Method of Footwear Manufacture-III	599A-1(S)		
	121	Principles of Footwear Designing & Pattern Developing	599A-2(S)		
	122	Footwear Machinery-II	599A-3(S)		
	123	Footwear Costing & Quality Control	599A-4(S)		
	124	Leather Technology - I <b>(Elective) (Common with LGT)</b>	599A-5/599B-5(S)		
LGT	125	Leather Goods Technology - I <b>(Elective)</b>	599A-5/1(S)		
	126	Fundamentals of Safety Leather Goods	599B-1(S)		
	127	Machinery-II	599B-2(S)		
	128	Quality Management	599B-3(S)		
	129	Physical Testing	599B-4(S)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	130	Leather Technology - I ( <b>Elective</b> ) ( <b>Common with FWT</b> )	599A-5/599B-5(S)		
	131	Footwear Technology-I ( <b>Elective</b> )	599B-5/1(S)		
PT	132	Database Management System (For PKG)	599C-1(S)		
	133	Food & Consumer Goods Packaging (Packaging Technology-VIII)	599C-2(S)		
	134	Packaging Machinery & Equipment (Packaging Technology - IX)	599C-3(S)		
	135	Package Testing & Evaluation (Packaging Technology-X)	599C-4(S)		
	136	Package Embellishment & Printing Technology	599C-5(S)		
	137	Packaging Economics & Management	599C-6(S)		
AGR	138	Irrigation & Drainage Engineering	599D-1(S)		
	139	Agricultural Waste Utilisation	599D-2(S)		
	140	Farm Power	599D-3(S)		
	141	Seed Processing Technology	599D-4(S)		
	142	Agricultural Structures	599D-5(S)		
	143	Refrigeration & Air-Conditioning (For AGR)	599D-6(S)		

***5th Semester (for Casual students of OLD Syllabus only) (Having Full Marks of 100 or 50)***

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
Common to All except MIN, MLT, MOPM & MS	1	Industrial Management	501(SO)		
CST, CSWT & IT	2	Operating Systems	502(SO)		
	3	Database Management System	503(SO)		
	4	Automata Theory	504(SO)		
CST & CSWT	5	Numerical Methods	505(SO)		
MIN & MS	6	Electrical Engineering & Mechanical Engineering	506(SO)		
MS & SE	7	Curve & Triangulation	507(SO)		
	8	Modern Survey	508(SO)		
ARCH & IDHF	9	Materials & Methods of Construction - III	509(SO)		
	10	Estimating-Cosing, Specification & Valuation - I	510(SO)		
ARCH	11	Design of Structure - II	511(SO)		
	12	Contemporary Architecture - I	512(SO)		
	13	Alternative Building Technology - I ( <b>Elective</b> )	513/1(SO)		
	14	Interior Design - I ( <b>Elective</b> )	513/2(SO)		
	15	Landscape Design - I ( <b>Elective</b> )	513/3(SO)		
AE	16	Maintenance & Service Station Management	514(SO)		
	17	Automobile Chasis - II	515(SO)		
	18	Manufacturing Process	516(SO)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	19	Theory of Machines	517(SO)		
	20	Earth Moving Equipment & Farm Machinery - I	518(SO)		
CE	21	Soil Mechanics	519(SO)		
	22	Structural Design & Detailing - I	520(SO)		
	23	Transportation Engineering - I	521(SO)		
	24	Water & Waste Water Engineering - II	522(SO)		
	25	Advanced Transport Engineering - I <b>(Elective)</b>	523/1(SO)		
	26	Concrete Technology - I <b>(Elective)</b>	523/2(SO)		
CHE	27	Energy Engineering	524(SO)		
	28	Chemical Technology - I	525(SO)		
	29	Separation Process - I	526(SO)		
	30	Process Control Engineering	527(SO)		
	31	Metallurgy & Material Science - I <b>(Elective)</b>	528/1(SO)		
	32	Petroleum Refinery Engineering & Petrochemicals-II <b>(Elective)</b>	528/2(SO)		
CST	33	Computer Architecture	529(SO)		
CSWT	34	Computer Graphics	530(SO)		
EE	35	Power Plant Engineering	531(SO)		
	36	Transmission & Distribution Power	532(SO)		
	37	Industrial Electronics	533(SO)		
	38	Electrical Design & Estimating	534(SO)		
	39	Computer Network - I <b>(Elective) (Common with ETCE)</b>	<b>535/540(SO)</b>		
	40	Non-Conventional Energy - I <b>(Elective)</b>	535/1(SO)		
	41	Process Control & Instrumentation - I <b>(Elective)</b>	535/2(SO)		
	42	Utilisation & Traction, Industrial Heating & Drives-I <b>(Elective)</b>	535/3(SO)		
ETCE	43	Electronic Measurement (For ETCE)	536(SO)		
	44	Communication Engineering - II	537(SO)		
	45	Industrial Electronics - I	538(SO)		
	46	Microprocessor - II	539(SO)		
	47	Computer Network - I <b>(Elective) (Common with EE)</b>	<b>535/540(SO)</b>		
	48	Medical Electronics - I <b>(Elective)</b>	540/1(SO)		
	49	PC Hardware Maintenance - I <b>(Elective)</b>	540/2(SO)		
FPT	50	Microbial Technology	541(SO)		
	51	Technology of Food - I	542(SO)		
	52	Technology of Food - II	543(SO)		
	53	Technology of Food - III	544(SO)		
	54	Bakery & Confectionary Technology - I <b>(Elective)</b>	545/1(SO)		
	55	Food Bio-Technology - I <b>(Elective)</b>	545/2(SO)		
	56	Fruit & Vegetable Processing Technology - I <b>(Elective)</b>	545/3(SO)		
	57	Applied Electronics	546(SO)		
	58	Process Instrumentation - I	547(SO)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
INST	59	Process Control	548(SO)		
	60	Analytical Instrumentation	549(SO)		
	61	Microprocessor & Computer Architecture - I <b>(Elective)</b>	550/1(SO)		
	62	Biomedical Instrumentation - I <b>(Elective)</b>	550/2(SO)		
IT	63	Principles of Communication	551(SO)		
ME	64	Fluid Mechanics	552(SO)		
	65	Heat Power - III	553(SO)		
	66	Manufacturing Process & Metrology	554(SO)		
	67	Advance Machine Tools & General Maintenance	555(SO)		
	68	Automobile Engineering - I <b>(Elective)</b>	556/1(SO)		
	69	CAD CAM - I <b>(Elective)</b>	556/2(SO)		
	70	Non-Conventional Energy Sources - I <b>(Elective)</b>	556/3(SO)		
	71	Power Plant Engineering - I <b>(Elective)</b>	556/4(SO)		
MET	72	Refrigeration & Air-Conditioning - I <b>(Elective)</b>	556/5(SO)		
	73	Iron Making	557(SO)		
	74	Physical Metallurgy - II	558(SO)		
	75	Foundry Technology	559(SO)		
	76	Welding Technology	560(SO)		
MIN	77	Ferro Alloys & Sponge Iron Production	561(SO)		
	78	Mine Management, Legislation & General Safety - I	562(SO)		
	79	Special Underground Methods, Rock Mechanics & Fuel Tech.	563(SO)		
MLT	80	Mine Surveying - I	564(SO)		
	81	Hospital & Industrial Management	565(SO)		
	82	Hematology & Body Fluid	566(SO)		
	83	Biomedical Instrumentation - II	567(SO)		
	84	Installation Maintenance & Care	568(SO)		
	85	Electronic Measurement (For MLT)	569(SO)		
	86	Human Performance Engineering <b>(Elective)</b>	570/1(SO)		
MOPM	87	Medical Techniques <b>(Elective)</b>	570/2(SO)		
	88	Industrial Relations	571(SO)		
	89	Entrepreneurship Development	572(SO)		
	90	Marketing Management	573(SO)		
	91	Indian Constitution & Contemporary Economic Problems	574(SO)		
	92	Office Administration - I <b>(Elective)</b>	575/1(SO)		
MS	93	Record Management Principles - I <b>(Elective)</b>	575/2(SO)		
	94	Shaft & Subsidence Survey	576(SO)		
	95	Mine Correlation & Joint Survey	577(SO)		
PE	96	Mine Management, Legislation & Safety	578(SO)		
	97	Production Management	579(SO)		
	98	Product Inspection And Quality Control	580(SO)		
	99	Technology of Mass Production	581(SO)		
	100	Tool Engineering	582(SO)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A + 10
	101	Material Handling - I <b>(Elective)</b>	583/1(SO)		
DP	102	Printers' Costing & Estimating	584(SO)		
	103	Printing Machine Maintenance - I	585(SO)		
	104	Binding & Finishing - I	586(SO)		
	105	Planographic Printing Technique - I	587(SO)		
	106	Surface Preparation Technique - I	588(SO)		
	107	Typography & Graphics - I <b>(Elective)</b>	589/1(SO)		
	108	Graphic Reproduction - I <b>(Elective)</b>	589/2(SO)		
	109	Printing Surfaces - I <b>(Elective)</b>	589/3(SO)		
	110	Machine Printing - I <b>(Elective)</b>	589/4(SO)		
PHO	111	Videography - I	590(SO)		
	112	Filming & Editing Techniques - I	591(SO)		
	113	Motion Picture Photography - I	592(SO)		
	114	Light & Sound in Motion Picture Photography - I	593(SO)		
	115	Multimedia & Animation - II	594(SO)		
	116	Short Film / Video Production - I <b>(Elective)</b>	595/1(SO)		
SE	117	Film Appreciation - I <b>(Elective)</b>	595/2(SO)		
	118	Topography & Hydrography	596(SO)		
	119	Tunnel and Mine Surveying	597(SO)		
	120	Municipal Engineering <b>(Elective)</b>	598/1(SO)		
FWT	121	Town & Country Planning <b>(Elective)</b>	598/2(SO)		
	122	Footwear Manufacturing Techniques	599A-1(SO)		
	123	Principles of Footwear Designing & Pattern Developing	599A-2(SO)		
	124	Footwear Machinery & Sciences - I	599A-3(SO)		
	125	Costing & Quality Control	599A-4(SO)		
	126	Leather Technology - I <b>(Elective)</b>	599A-5/1(SO)		
IDHF	127	Leather Goods Technology - I <b>(Elective)</b>	599A-5/2(SO)		
	128	Contemporary Interior Design & Furniture	599B-1(SO)		
	129	Interior Design Accessories	599B-2(SO)		
	130	Advanced Furniture Design-I <b>(Elective)</b>	599B-3/1(SO)		
	131	Stage Craft Design-I <b>(Elective)</b>	599B-3/2(SO)		