

# WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

## Indent of Question Papers for Diploma in Engineering/Technology Examinations

### Part-time Examinations to be held on April, 2012

**Note: This format is to be used for submission of indent of question papers for the students of Part-time Diploma Courses only.**

Name of the Institute: _____
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#### For Section-A only

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
Common to All Branches of Part-time Courses	1	Communication Skills	101(P)		
	2	Physics	102(P)		
	3	Chemistry	103(P)		

#### Section-A, B, C & D

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
Common to All	1	Mathematics	104(S)		
Common to All except DP	2	Engineering Mechanics	105(S)		
DP	3	Basic Engineering for Printing	108(S)		

#### Section-A, B, C & D

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
Common to All	1	Business Economics & Accountancy	201(SO)		
	2	Computer Applications	202(SO)		
	3	Engineering Drawing (4 Hrs. Exam)	205(SO)		
	4	Engineering Mathematics	206(SO)		
Common to All except DP	5	Strength of Materials	207(SO)		
Common to All	6	Electrical Technology	208(SO)		

#### Section-A, B, C & D

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 ETCE	2	Basic Electronics	302(S)		
Common to All except CE, ETCE, MIN, DP	3	Programming in C	303(S)		
EE	4	Circuit Theory	307(S)		
CE	5	Building Materials & Construction	320(S)		
	6	Hydraulics & Hydraulic Structure	321(S)		
	7	Field Surveying-I	322(S)		
	8	Quantity Surveying	323(S)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
EE	9	Electrical Machines-I	325(S)		
	10	Electrical Measurement & Measuring Instruments	326(S)		
ETCE	11	Network Analysis	327(S)		
	12	Analog Electronics-I	328(S)		
	13	C Programming	329(S)		
	14	Digital Electronics	330(S)		
	15	Electrical Engineering	331(S)		
ME	16	Mechanics of Materials	347(S)		
	17	Heat Power-I	348(S)		
	18	Machine Tool-I	349(S)		
MIN	19	Introduction to Mining	356(S)		
	20	Explosives, Blasting Practices & Gas Detection	357(S)		
DP	21	Presswork-I	368(S)		
	22	Pre-Press Reproduction Technique	369(S)		
	23	Letter Assembly	370(S)		

**Section-A, B, C & D**

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
ME	1	Elements of Electrical Engineering	408(SO)		
MIN	2	Mining Geology	409(SO)		
CE	3	Irrigation Engineering	426(SO)		
	4	Strength of Materials & Theory of Structures	427(SO)		
	5	Field Surveying - II	428(SO)		
	6	Costing, Contract & Valuation	429(SO)		
	7	Water & Waste Water Engineering-I	430(SO)		
	8	Civil Engineering Drawing-I (4 Hrs. Exam)	495(SO)		
EE	9	Electrical Machines - II	431(SO)		
	10	Electrical Engineering Materials	432(SO)		
	11	Electrical Measurement & Control	433(SO)		
	12	Principles & Applications of Digital Electronics	434(SO)		
ETCE	13	Communication Engineering - I	435(SO)		
	14	Analog Electronics - II	436(SO)		
	15	Consumer Electronics	437(SO)		
	16	Microprocessor - I	438(SO)		
ME	17	Manufacturing Process	456(SO)		
	18	Heat Power - II	457(SO)		
	19	Machine Tools - II	458(SO)		
	20	Mechanical Engineering Drawing (4 Hr Exam.)	459(SO)		
MIN	21	Underground Coal Mining Methods & Supports	469(SO)		
	22	Surface Mining	470(SO)		
	23	Underground Metalliferous Mining & Tunelling	471(SO)		
	24	Mining Hazards	472(SO)		
DP	25	Printers' Material Science	482(SO)		
	26	Presswork - II	483(SO)		
	27	Digital Pre-press	484(SO)		
	28	Print Design	485(SO)		

**Section-A, B, C & D**

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
Common to All	1	Industrial Management	501(S)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
MIN	2	Electrical Engineering & Mechanical Engineering	506(S)		
CE	3	Soil Mechanics	519(S)		
	4	Structural Design & Detailing - I	520(S)		
	5	Transportation Engineering - I	521(S)		
	6	Water & Waste Water Engineering - II	522(S)		
EE	7	Power Plant Engineering	531(S)		
	8	Transmission & Distribution Power	532(S)		
	9	Industrial Electronics	533(S)		
	10	Electrical Design & Estimating	534(S)		
ETCE	11	Electronic Measurement (For ETCE)	536(S)		
	12	Communication Engineering - II	537(S)		
	13	Industrial Electronics - I	538(S)		
	14	Microprocessor - II	539(S)		
ME	15	Fluid Mechanics	552(S)		
	16	Heat Power - III	553(S)		
	17	Manufacturing Process & Metrology	554(S)		
	18	Advance Machine Tools & General Maintenance	555(S)		
MIN	19	Mine Management, Legislation & General Safety - I	562(S)		
	20	Special Underground Methods, Rock Mechanics & Fuel Tech.	563(S)		
	21	Mine Surveying - I	564(S)		
DP	22	Printers' Costing & Estimating	584(S)		
	23	Printing Machine Maintenance - I	585(S)		
	24	Planographic Printing Technique - I	587(S)		
	25	Surface Preparation Technique - I	588(S)		
	26	Typography & Graphics - I ( <b>Elective</b> )	589/1(S)		
	27	Graphic Reproduction - I ( <b>Elective</b> )	589/2(S)		
	28	Printing Surfaces - I ( <b>Elective</b> )	589/3(S)		
	29	Machine Printing - I ( <b>Elective</b> )	589/4(S)		

**Section-A, B, C & D**

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
CE	1	Foundation Engineering	617(SO)		
	2	Structural Design & Detailing-II	618(SO)		
	3	Transportation Engineering-II	619(SO)		
	4	Civil Engineering Drawing-II ( <b>4 Hours Exam</b> )	620(SO)		
	5	Advanced Transportation Engineering ( <b>Elective</b> ) ( <b>3 Hours Exam</b> )	523/621/1(SO)		
	6	Concrete Technology ( <b>Elective</b> ) ( <b>3 Hours Exam</b> )	523/621/2(SO)		
EE	7	Electrical Installation, Maintenance & Testing	629(SO)		
	8	Switchgear & Protection	630(SO)		
	9	Microprocessors & Its Applications	631(SO)		
	10	Computer Network ( <b>Elective</b> ) ( <b>3 Hrs. Exam</b> )	535/540/632/636(SO)		
	11	Non Conventional Energy ( <b>Elective</b> ) ( <b>3 Hrs. Exam</b> )	535/632/1(SO)		
	12	Process Control & Instrumentation ( <b>Elective</b> ) ( <b>3 Hrs. Exam</b> )	535/632/2(SO)		
	13	Utilisation & Traction, Industrial Heating & Drives ( <b>Elective</b> ) ( <b>3 Hrs. Exam</b> )	535/632/3(SO)		
ETCE	14	Communication Engineering-III	633(SO)		
	15	Industrial Electronics-II	634(SO)		
	16	Instrumentation & Control	635(SO)		
	17	Computer Network ( <b>Elective</b> ) ( <b>3 Hrs. Exam</b> )	535/540/632/636(SO)		
	18	Medical Electronics ( <b>Elective</b> ) ( <b>3 Hrs. Exam</b> )	540/636/1(SO)		
	19	PC Hardware Maintenance ( <b>Elective</b> ) ( <b>3 Hrs. Exam</b> )	540/636/2(SO)		

Branch	Sl. No.	Name of the Subject	Code No.	Number of Candidates likely to appear	Total Requirement
				A	A+10
ME	20	Fluid Machines	652(SO)		
	21	Machine Design, Estimating & Costing	653(SO)		
	22	Theory of Machines	654(SO)		
	23	Automobile Engineering (Elective) (3 Hrs. Exam)	556/655/1(SO)		
	24	CAD CAM (Elective) (3 Hrs. Exam)	556/655/2(SO)		
	25	Non Conventional Energy Sources (Elective) (3 Hrs. Exam)	556/655/3(SO)		
	26	Power Plant Engineering (Elective) (3 Hrs. Exam)	556/655/4(SO)		
MIN	27	Refrigeration & Air Conditioning (Elective) (3 Hrs. Exam)	556/655/5(SO)		
	28	Mining Machinery-I	660(SO)		
	29	Mining Machinery-II	661(SO)		
	30	Mine Management, Legislation & General Safety-II	662(SO)		
	31	Mine Surveying-II	663(SO)		
DP	32	Mine Ventilation	664(SO)		
	33	Printing Machine Maintenance-II	676(SO)		
	34	Planographic Printing Technique-II	678(SO)		
	35	Surface Preparation Technique-II (2 Hours Exam)	679(SO)		
	36	Typography & Graphics-II (Elective)	680/1(SO)		
	37	Graphic Reproduction-II (Elective)	680/2(SO)		
	38	Printing Surfaces-II (Elective)	680/3(SO)		
	39	Machine Printing-II (Elective)	680/4(SO)		
	40	Binding & Finishing (3 Hours Exam) (For Part-time only)	586/677(SO)		