

**CURRICULAR STRUCTURE FOR PART – II (2nd YEAR) OF THE FULL--TIME DIPLOMA COURSES IN
ENGINEERING & TECHNOLOGY**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION											
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES											
COURSE NAME: DIPLOMA IN MINING ENGINEERING											
DURATION OF COURSE: 6 SEMESTERS											
SEMESTER: THIRD											
BRANCH: MINING ENGINEERING											
SR. NO	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME					
			L	TU	PR	INTERNAL SCHEME			ESE	PR	Total Marks
						TA	CT	Total			
1.	INTRODUCTION TO MINING	5	4	1		10	20	30	70		100
2.	EXPLOSIVES, BLASTING PRACTICES & GAS DETECTION	5	4	1		10	20	30	70		100
3.	UNDERGROUND COAL MINING METHODS & FUEL TECHNOLOGY	4	4			10	20	30	70		100
4.	MINING GAS,BORING & BLASTING LAB	3			5					100	100
5.	COMPUTER AIDED DESIGN & DRAFTING LAB	2			3					50	50
6.	PROFESSIONAL PRACTICES – I	1			2					50	50
7.	INDUSTRIAL TRAINING*	5			9					300	300
Total:		25	12	2	19	30	60	90	210	500	800

STUDENT CONTACT HOURS PER WEEK:33 hrs
Theory and Practical Period of 60 Minutes each.
L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.
*** Students will undergo of Practical training during this semester. Weightage on PR & Credit points is allotted on the of Practical training.**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION											
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES											
COURSE NAME: DIPLOMA IN MINING											
DURATION OF COURSE: 6 SEMESTERS											
SEMESTER: FOURTH											
BRANCH: MINING											
SR. NO	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME					
			L	TU	PR	INTERNAL SCHEME			ESE	PR	Total Marks
						TA	CT	Total			
1.	SPECIAL UNDERGROUND METHODS, ROCK MECHANICS & SUPPORTS	4	4			10	20	30	70		100
2.	SURFACE MINING	4	4			10	20	30	70		100
3.	UNDERGROUND METALLIFEROUS MINING & TUNELLING	4	3	1		10	20	30	70		100
4.	MINING HAZARDS	5	5			10	20	30	70		100
5.	MINING GEOLOGY	4	2	2	4	10	20	30	70	100	200
6.	MINE SAFETY LAB	2			4					100	100
7.	MINE METHODS & SUPPORT LAB	2			4					100	100
Total:		25	18	3	12	50	100	150	350	300	800

STUDENT CONTACT HOURS PER WEEK:33 hrs
Theory and Practical Period of 60 Minutes each.
L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

**CURRICULAR STRUCTURE FOR PART – III (3rd YEAR) OF THE FULL--TIME DIPLOMA COURSES IN
ENGINEERING & TECHNOLOGY**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION											
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES											
COURSE NAME: DIPLOMA IN MINING											
DURATION OF COURSE: 6 SEMESTERS											
SEMESTER: FIFTH											
BRANCH: MINING											
SR. NO	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME					
			L	TU	PR	INTERNAL SCHEME			ESE	PR	Total Marks
						TA	CT	Total			
1.	MINE MANAGEMENT, LEGISLATION & GENERAL SAFETY - I	5	5			10	20	30	70		100
2.	MINE VENTILATION - I	5	3	1	2	5	10	15	35	50	100
3.	MINE SURVEYING - I	6	4	1	3	10	20	30	70	100	200
4.	ELECTRICAL ENGINEERING & MECHANICAL ENGINEERING	5	3	1	3	10	20	30	70	100	200
5.	INDUSTRIAL TRAINING *	4			7					300	300
Total:		25	15	3	15	35	70	105	245	550	900
STUDENT CONTACT HOURS PER WEEK:33 hrs Theory and Practical Period of 60 Minutes each. L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam. * Students will undergo of Practical training during this semester. Weightage on PR & Credit points is allotted on the basis of Practical training.											

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION											
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES											
COURSE NAME: DIPLOMA IN MINING											
DURATION OF COURSE: 6 SEMESTERS											
SEMESTER: SIXTH											
BRANCH: MINING											
SR. NO	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME					
			L	TU	PR	INTERNAL SCHEME			ESE	PR	Total Marks
						TA	CT	Total			
1.	MINE MANAGEMENT, LEGISLATION & GENERAL SAFETY - II	4	4			10	20	30	70		100
2.	MINING MACHINERY - I	5	4		2	10	20	30	70	50	150
3.	MINING MACHINERY - II	5	3	1	2	10	20	30	70	50	150
4.	MINE VENTILATION - II	4	3		2	5	10	15	35	50	100
5.	MINE SURVEYING - II	4	3		3	10	20	30	70	100	200
6.	PROJECT WORK & SEMINAR	2			4					100	100
7.	GRAND VIVA	1			2					100	100
Total:		25	17	1	15	45	90	135	315	450	900
STUDENT CONTACT HOURS PER WEEK:33 hrs Theory and Practical Period of 60 Minutes each. L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.											