

CURRICULAR STRUCTURE FOR PART – I FIRST SEMESTER OF THE  
FULL-TIME DIPLOMA COURSES IN MINING ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK			EXAMINATION SCHEME				FULL MARKS		PAGE No.
						INTERNAL		EXTERNAL		TH.	SES.	
						ASSESSMENT	ATTENDANCE	OBJECTIVE	SUBJECTIVE			
		<b>THEORETICAL PAPERS</b>	<b>LECTURE</b>	<b>TUTORIAL</b>	<b>SESSIONAL</b>							
1.	* / 1 / T1 / CSS	COMMUNICATION SKILLS (STUDIES)	2	1	—	10	2.5	—	50	50	—	9
2.	* / 1 / T2 / PHY1	PHYSICS – I	3	—	—	10	2.5	15	35	50	—	10
3.	* / 1 / T3 / CHM1	CHEMISTRY – I	2	1	—	10	2.5	15	35	50	—	12
4.	* / 1 / T4 / MTHS	MATHEMATICS	5	—	—	20	5	30	70	100	—	13
5.	* / 1 / T5 / EMK	ENGINEERING MECHANICS	3	1	—	20	5	30	70	100	—	15
		<b>SESSIONAL PAPERS</b>	<b>LECTURE</b>	<b>TUTORIAL</b>	<b>SESSIONAL</b>	<b>INTERNAL</b>		<b>EXTERNAL</b>		<b>TH.</b>	<b>SES.</b>	—
6.	* / 1 & 2 / S1 / LPHY	PHYSICS LAB (GROUP – A)	—	—	3	12.5		—		—	—	51
7.	* / 1 & 2 / S2 / LCHM	CHEMISTRY LAB (GROUP – A)	—	—	3	12.5		—		—	—	52
8.	* / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) (GROUP – A)	—	—	6	50		—		—	—	53
9.	* / 1 & 2 / S4 / WSPR	WORKSHOP PRACTICE	—	—	6	50		—		—	—	57
<b>* Code for discipline</b>			<b>TOTAL</b>			—		—		<b>350</b>	<b>—</b>	<b>—</b>

CURRICULAR STRUCTURE FOR PART – I SECOND SEMESTER OF THE  
FULL-TIME DIPLOMA COURSES IN MINING ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK			EXAMINATION SCHEME				FULL MARKS		PAGE No.
						INTERNAL		EXTERNAL		TH.	SES.	
						ASSESSMENT	ATTENDANCE	OBJECTIVE	SUBJECTIVE			
		<b>THEORETICAL PAPERS</b>	<b>LECTURE</b>	<b>TUTORIAL</b>	<b>SESSIONAL</b>							
1.	* / 2 / T1 / BEA	BUSINESS ECONOMICS & ACCOUNTANCY	4	—	—	20	5	30	70	100	—	27
2.	* / 2 / T2 / PHY2	PHYSICS – II	2	—	—	10	2.5	15	35	50	—	29
3.	* / 2 / T3 / CHM2	CHEMISTRY – II	2	—	—	10	2.5	15	35	50	—	30
4.	* / 2 / T4 / CA	COMPUTER APPLICATIONS	3	—	—	10	2.5	15	35	50	—	32
5.	* / 2 / T5 / EMTH	ENGINEERING MATHEMATICS	3	—	—	20	5	30	70	100	—	33
6.	* / 2 / T6 / SOM	STRENGTH OF MATERIALS	3	—	—	20	5	30	70	100	—	35
7.	* / 2 / T7 / ETK	ELECTRICAL TECHNOLOGY	2	—	—	10	2.5	15	35	50	—	36
8.	* / 2 / T8 / ED	ENGINEERING DRAWING (4 HR. EXAM.)	—	—	—	20	5	30	70	100	—	53
		<b>SESSIONAL PAPERS</b>	<b>LECTURE</b>	<b>TUTORIAL</b>	<b>SESSIONAL</b>	<b>INTERNAL</b>		<b>EXTERNAL</b>		<b>TH.</b>	<b>SES.</b>	—
9.	* / 1 & 2 / S1 / LPHY	PHYSICS LAB (GROUP – B)	—	—	2	12.5		25		—	50	51
10.	* / 1 & 2 / S2 / LCHM	CHEMISTRY LAB (GROUP – B)	—	—	2	12.5		25		—	50	52
11.	* / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) (GROUP – B)	—	—	6	50		100		—	200	53
12.	* / 1 & 2 / S4 / WSPR	WORKSHOP PRACTICE	—	—	6	50		100		—	200	57
13.	* / 2 / S5 / LCA	COMPUTER APPLICATIONS LAB	—	—	3	50		50		—	100	65
14.	* / 2 / S6 / LETK	ELECTRICAL TECHNOLOGY LAB	—	—	2	25		25		—	50	67
<b>* Code for discipline</b>			<b>TOTAL</b>			—		—		<b>600</b>	<b>650</b>	<b>—</b>

- q Each of Part I – 1<sup>st</sup> & 2<sup>nd</sup> semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.
- q Part I – 1<sup>st</sup> & 2<sup>nd</sup> semester consists of 36 & 40 contact periods per week respectively, and, 8 & 4 periods per week respectively are allocated for Student Centred Activities like Library, Guided Studies etc.
- q Marks distribution in Part – I : Theoretical – 950, Sessional – 650; Total – 1600.

CURRICULAR STRUCTURE FOR THE PART - II FIRST SEMESTER OF  
DIPLOMA IN MINING ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
1.	MNEG / 3 / T1 / ENVE	ENVIRONMENTAL ENGINEERING	5	—	20	5	30	70	100	—	5
2.	MNEG / 3 / T2 / BE	BASIC ELECTRONICS	5	—	20	5	30	70	100	—	9
3.	MNEG / 3 / T3 / ITM	INTRODUCTION TO MINING	6 (L) + 1(T)	—	20	5	30	70	100	—	11
4.	MNEG / 3 / T4 / EBGD	EXPLOSIVES, BLASTING PRACTICES & GAS DETECTION	6 (L) + 1(T)	—	20	5	30	70	100	—	12
		<b>SESSIONAL PAPERS</b>	<b>Lecture</b>	<b>SESSIONAL</b>	<b>INTERNAL</b>		<b>EXTERNAL</b>		<b>TH.</b>	<b>SES.</b>	<b>—</b>
5.	MNEG / 3 / S1 / ACAD	COMPUTER AIDED DESIGN & DRAFTING	—	10	50		50		—	100	13
6.	MNEG / 3 / S2 / LGBB	MINING GAS BORING & BLASTING LAB	—	5	50		50		—	100	14
7.	MNEG / 3 & 4 / S3 / TRNG	INDUSTRIAL TRAINING (PART – A)	—		—		—		—	—	—
		<b>TOTAL</b>	<b>27 (L) + 2 (T)</b>	<b>15</b>	<b>—</b>		<b>—</b>		<b>400</b>	<b>200</b>	<b>—</b>

?á In Part II – 1<sup>st</sup> Semester, 9 weeks are scheduled as contact weeks during which theoretical & sessional classes will take place and the two centralised internal assessments will take place in another 2 weeks. The industrial training will take place beyond this time period.

?á Each contact week of this Part II – 1<sup>st</sup> Semester consists of 39 contact periods and other 5 periods are allocated for Library & Guided Studies.

CURRICULAR STRUCTURE FOR THE PART - II SECOND SEMESTER OF  
DIPLOMA IN MINING ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
1.	MNEG / 4 / T1 / CSJ	COMMUNICATION SKILLS (JOB)	2	—	10	2.5	—	50	50	—	—
2.	MNEG / 4 / T2 / UCMN	UNDERGROUND COAL MINING METHODS & SUPPORTS	3(L) + 1(T)	—	20	5	30	70	100	—	—
3.	MNEG / 4 / T3 / SMN	SURFACE MINING	3(L) + 1(T)	—	20	5	30	70	100	—	—
4.	MNEG / 4 / T4 / UMMN	UNDERGROUND METALLIFEROUS MINING & TUNELLING	3(L) + 1(T)	—	20	5	30	70	100	—	—
5.	MNEG / 4 / T5 / MNHZ	MINING HAZARDS	3(L) + 1(T)	—	20	5	30	70	100	—	—
6.	MNEG / 4 / T6 / MNG	MINING GEOLOGY	3(L) + 1(T)	—	20	5	30	70	100	—	—
		<b>SESSIONAL PAPERS</b>	<b>Lecture</b>	<b>SESSIONAL</b>	<b>INTERNAL</b>		<b>EXTERNAL</b>		<b>TH.</b>	<b>SES.</b>	<b>—</b>
7.	MNEG / 4 / S1 / LCSJ	COMMUNICATION SKILLS (JOB) LAB	—	2	25		25		—	50	—
8.	MNEG / 4 / S2 / LMMS	MINE METHODS & SUPPORT LAB	—	5	50		50		—	100	—
9.	MNEG / 4 / S3 / LMS	MINE SAFETY LAB	—	5	50		50		—	100	—
10.	MNEG / 4 / S4 / LMNG	MINING GEOLOGY LAB	—	5	50		50		—	100	—
11.	MNEG / 3 & 4 / S5 / TRNG	INDUSTRIAL TRAINING (PART – B)	WEEK		250		250		—	500	—
		<b>TOTAL</b>	<b>17(L) + 5(T)</b>	<b>—</b>	<b>—</b>		<b>—</b>		<b>550</b>	<b>750</b>	<b>—</b>

?á In Part II – 2<sup>nd</sup> Semester, 15 weeks are scheduled as contact weeks during which theoretical & sessional classes will take place and the two centralised internal assessments will take place in another 2 weeks. The industrial training will take place beyond this time period.

?á Each contact week of this Part II – 2<sup>nd</sup> Semester consists of 39 contact periods and other 5 periods are allocated for Library & Guided Studies.

?á Marks distribution of Part – II: Theoretical – 1050, Sessional – 950; Total – 2000.

CURRICULAR STRUCTURE FOR THE PART - III FIRST SEMESTER OF  
DIPLOMA IN MINING ENGINEERING

SL. No.	SUBJECT CODE	Subject of Study	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
8.	MIN / 5 / T1 / MGS1	MINE MANAGEMENT, LEGISLATION & GENERAL SAFETY-I	8	-	20	5	30	70	100	-	
9.	MIN / 5 / T2 / SRF	SPECIAL UNDERGROUND METHODS, ROCK MECHANICS & FUEL TECHNIQUES	6	-	20	5	30	70	100	-	
10.	MIN / 5 / T3 / MS1	MINE SURVEYING-I	6	-	20	5	30	70	100	-	
11.	MIN / 5 / T4 / EEME	ELECTRICAL ENGINEERING & MECHANICAL ENGINEERING	8	-	20	5	30	70	100	-	
		<b>SESSIONAL PAPERS</b>	<b>Lecture</b>	<b>SESSIONAL</b>	<b>INTERNAL</b>		<b>EXTERNAL</b>		<b>TH.</b>	<b>SES.</b>	
12.	MIN / 5 / S1 / LMS1	MINE SURVEYING-I LAB	-	5	50		50		-	100	
13.	MIN / 5 / S2 / LEEM	ELECTRICAL ENGINEERING & MECHANICAL ENGINEERING LAB.	-	6	50		50		-	100	
14.	MIN / 5 / S3 / LTRG	TRAINING	-	-	100		100		-	200	
			<b>28</b>	<b>11</b>					<b>400</b>	<b>400</b>	

CURRICULAR STRUCTURE FOR THE PART - III SECOND SEMESTER OF  
DIPLOMA IN MINING ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
12.	MIN / 6 / T1 / MM1	MINING MACHINERY-I	4	-	20	5	30	70	100	-	
13.	MIN / 6 / T2 / MM2	MINING MACHINERY-II	4	-	20	5	30	70	100	-	
14.	MIN / 6 / T3 / MGS2	MINE MANAGEMENT, LEGISLATION & GEN. SAFETY-II	4	-	20	5	30	70	100	-	
15.	MIN / 6 / T4 / MS2	MINE SURVEYING-II	4	-	20	5	30	70	100	-	
16.	MIN / 6 / T5 / MV	MINE VENTILATION	4	-	20	5	30	70	100	-	
		<b>SESSIONAL PAPERS</b>	<b>Lecture</b>	<b>SESSIONAL</b>	<b>INTERNAL</b>		<b>EXTERNAL</b>		<b>TH.</b>	<b>SES.</b>	
17.	MIN / 6 / S1 / LMM	MINING MACHINERY LAB	-	4	50		50		-	100	
18.	MIN / 6 / S2 / LMV	MINE VENTILATION LAB	-	4	50		50		-	100	
19.	MIN / 6 / S3 / LMS2	MINE SURVEYING-II LAB	-	4	50		50		-	100	
20.	MIN / 6 / S4 / PROJ	PROJECT WORK	-	4	50		50		-	100	
21.	MIN / 6 / S5 / SEM	SEMINAR	-	3	50		50		-	100	
22.	MIN / 6 / S6 / VIVA	GRAND VIVA	-	-	50		50		-	100	
		<b>TOTAL</b>	<b>20</b>	<b>19</b>					<b>500</b>	<b>700</b>	

?á Part – III Second Semester consists of 39 contact periods per week and 5 periods per week for Library & Guided Studies.

?á Marks distribution: Theoretical – 900, Sessional – 1100; Total – 2000 (FIRST SEMESTER : Theoretical – 400, Sessional – 400 & SECOND SEMESTER : Theoretical – 500, Sessional – 700).