

CURRICULAR STRUCTURE FOR PART - I FIRST SEMESTER OF THE  
FULL-TIME DIPLOMA COURSES IN MINE SURVEYING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK			EXAMINATION SCHEME				FULL MARKS		PAGE No.
						INTERNAL		EXTERNAL		TH.	SES.	
			THEORETICAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE			
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>	<b>—</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>15</b>	<b>3</b>	<b>18</b>	<b>—</b>		<b>—</b>	<b>—</b>

CURRICULAR STRUCTURE FOR PART - I SECOND SEMESTER OF THE  
FULL-TIME DIPLOMA COURSES IN MINE SURVEYING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK			EXAMINATION SCHEME				FULL MARKS		PAGE No.	
						INTERNAL		EXTERNAL		TH.	SES.		
			THEORETICAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE				SUBJECTIVE
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>	<b>—</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>19</b>	<b>—</b>	<b>21</b>	<b>—</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 PART – II FIRST SEMESTER OF  
DIPLOMA IN MINE SURVEYING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK			EXAMINATION SCHEME				FULL MARKS		PAGE No.
						INTERNAL		EXTERNAL		TH.	SES.	
			THEORETICAL PAPERS	LECTURE	Tutorial	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE			
1.	MNSR / 3 / T1 / ENVE	ENVIRONMENTAL ENGINEERING	4	—	—	20	5	30	70	100	—	5
2.	MNSR / 3 / T2 / BE	BASIC ELECTRONICS	4	—	—	20	5	30	70	100	—	7
3.	MNSR / 3 / T3 / CCS	CHAIN & COMPASS SURVEY	3+1	—	—	20	5	30	70	100	—	9
4.	MNSR / 3 / T4 / LPTS	LEVELLING & PLANE TABLE SURVEYING	4	1	—	20	5	30	70	100	—	10
5.	MNSR / 3 / T5 / MOM	METHODS OF MINING	5	—	—	20	5	30	70	100	—	12
<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>	<b>—</b>
6.	MNSR / 3 / S1 / ACAD	COMPUTER AIDED DESIGN & DRAFTING	—	—	8	50		50		—	100	13
7.	MNSR / 3 / S2 / SCS	CHAIN SURVEY (S)	—	—	4	50		50		—	100	14
8.	MNSR / 3 / S3 / SDPT	DIAL & PLANE TABLE SURVEYING (S)	—	—	4	50		50		—	100	15
9.	MNSR / 3 & 4 / S4 / TRNG	INDUSTRIAL TRAINING	—	—	—	50		50		—	—	
<b>TOTAL</b>			<b>22</b>	<b>1</b>	<b>16</b>	<b>—</b>		<b>—</b>		<b>500</b>	<b>300</b>	

?á Part II – 1<sup>st</sup> Semester is of 14 weeks duration of which 12 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments. The industrial training will take place beyond this time period.

CURRICULAR STRUCTURE FOR PART – II SECOND SEMESTER OF  
DIPLOMA IN MINE SURVEYING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK			EXAMINATION SCHEME				FULL MARKS		PAGE No.
						INTERNAL		EXTERNAL		TH.	SES.	
			THEORETICAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE			
1.	MNSR / 4 / T1 / CSJ	COMMUNICATION SKILLS (JOB)	2	—	—	10	2.5	—	50	50	—	16
2.	MNSR / 4 / T2 / MENV	MINING ENVIRONMENT	5	—	—	20	5	30	70	100	—	
3.	MNSR / 4 / T3 / MTCH	MINING TECHNOLOGY	5	—	—	20	5	30	70	100	—	
4.	MNSR / 4 / T4 / TT	THEODOLITE & TACHOMETRY	5	—	—	20	5	30	70	100	—	
5.	MNSR / 4 / T5 / MNG	MINING GEOLOGY	3	1	—	20	5	30	70	100	—	
<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>	<b>—</b>
6.	MNSR / 4 / S1 / LCSJ	COMMUNICATION SKILLS (JOB) LAB	—	—	2	25		25		—	50	17
7.	MNSR / 4 / S2 / LME	MINING ENGINEERING LAB	—	—	5	50		50		—	100	
8.	MNSR / 4 / S3 / LC	LEVELLING & CONTOURING	—	—	5	50		50		—	100	
9.	MNSR / 3 & 4 / S4 / TRNG	INDUSTRIAL TRAINING	—	—	—	200		200		—	400	
10.	MNSR / 4 / S5 / LMNG	MINING GEOLOGY LAB	—	—	5	50		50		—	100	
<b>TOTAL</b>			<b>20</b>	<b>1</b>	<b>17</b>	<b>—</b>		<b>—</b>		<b>450</b>	<b>750</b>	

?á Part II – 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. The industrial training will take place beyond this time period.

?á Each of Part II – 1<sup>st</sup> & 2<sup>nd</sup> semester consists of 39 contact periods per week and 5 periods per week are allocated for Student Centred Activities like Library, Guided Studies, Counselling etc.

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

CURRICULAR STRUCTURE FOR THE PART - III FIRST SEMESTER OF  
DIPLOMA IN MINE SURVEYING

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			
10.	MS/5/T1/CT	CURVE & TRIANGULATION	4	-	20	5	30	70	100	-	
11.	MS/5/T2/SSS	SHAFT & SUBSIDENCE SURVEY	4	-	20	5	30	70	100	-	
12.	MS/5/T3/MS	MODERN SURVEY	4	-	20	5	30	70	100	-	
13.	MS/5/T4/MCJS	MINE CORRELATION & JOINT SURVEY	4	-	20	5	30	70	100	-	
14.	MS/5/T5/EEME	ELECTRICAL ENGG. & MECHANICAL ENGG.	4	-	20	5	30	70	100	-	
15.	MS/5/T6/MMLS	MINE MANAGEMENT, LEGISLATION & SAFETY	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>	
16.	MS/5/S1/LTHS	THEODOLITE SURVEY	-	5	50		50		-	100	
17.	MS/5/S2/LTRS	TRIANGULATION SURVEY	-	5	50		50		-	100	
18.	MS/5/S3/PROJ	PROJECT WORK (PART-A)	-	5	50		-		-	-	
19.	MS/5/S4/TRG	TRAINING	-	-	50		50		-	100	
			<b>24</b>	<b>15</b>					<b>600</b>	<b>300</b>	

CURRICULAR STRUCTURE FOR THE PART - III SECOND SEMESTER OF  
DIPLOMA IN MINE SURVEYING

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			
11.	MS/6/T1/LLLR	LAND LAWS & LAND RECORDS	4	-	20	5	30	70	100	-	
12.	MS/6/T2/PRS	PHOTOGRAMMETRY & REMOTE SENSING	4	-	20	5	30	70	100	-	
13.	MS/6/T3/MAS	MINE & ASTRONOMICAL SURVEY	4	-	20	5	30	70	100	-	
14.	MS/6/T4/EVC	ESTIMATION, VALUATION & CONTRACT	3	-	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>	
15.	MS/6/S1/LCS	CORRELATION SURVEY	-	5	50		50		-	100	
16.	MS/6/S2/LMSP	MODERN SURVEY PRACTICAL	-	5	50		50		-	100	
17.	MS/6/S3/LCAS	COMPUTER APPLICATION IN SURVEYING	-	5	50		50		-	100	
18.	MS/6/S4/PROJ	PROJECT WORK (PART-B)	-	5	50		100		-	200	
19.	MS/6/S5/SEM	SEMINAR	-	4	50		50		-	100	
20.	MS/6/S6/VIVA	VIVA VOCE	-	-	50		50		-	100	
		<b>TOTAL</b>	<b>15</b>	<b>24</b>					<b>400</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 – 1000, Sessional – 1000; Total – 2000 ( FIRST SEMESTER : Theoretical – 600, Sessional – 300 & SECOND SEMESTER : Theoretical – 400, Sessional – 700).