

**III SEMESTER  
B.E. MINING ENGINEERING**

S.No	Sub- Code	Title	Teaching Dept.	Teaching hours/ Week		Examination			
				Theor y	Pract.	Duration	I.A. Max. Marks	Theory/ Pract.	Total Marks
1	10MAT 31	Engg. Mathematics-III	Maths	04	-	03	25	100	125
2	10MN 32	Mine Electrical Engg.	E&E	04	-	03	25	100	125
3	10MN 33	Mining Geology-I	Geology	04	-	03	25	100	125
4	10ME 34	Mechanics of Materials	MN/IP/AU/ ME/MA	04	-	03	25	100	125
5	10MN 35	Mine Construction & Development	MN	04	-	03	25	100	125
6	10MN 36	Computer Aided Machine Drawing	MN/IP/AU/ ME/MA	01	03	03	25	100	125
7	10MNL 37	Mining Geology Lab-I	Geology	-	03	03	25	50	75
8	10MNL 38	Mining Electrical Engg Lab	E&E	-	03	03	25	50	75
				21	09	24	200	700	900

**IV SEMESTER  
B.E. MINING ENGINEERING**

S.No	Sub- Code	Title	Teaching Dept.	Teaching hours/ Week		Examination			
				Theory	Pract.	Duration	I.A. Max. Marks	Theory/ Pract.	Total Marks
1	10MAT 41	Engg. Mathematics-IV	Maths	04	-	03	25	100	125
2	10MN 42	Thermo Dynamics & Fluid Mechanics	ME	04	-	03	25	100	125
3	10MN 43	Mining Geology-II	Geology	04	-	03	25	100	125
4	10MN 44	Mining Machinery-I	MN	04	-	03	25	100	125
5	10MN 45	Mine Surveying -I	MN	04	-	03	25	100	125
6	10MN 46	Drilling and Blasting Engg.	MN	04	-	03	25	100	125
7	10MNL 47	Mining Geology Lab- II	Geology	-	03	03	25	50	75
8	10MNL 48	Mine Surveying Lab- I	E&E	-	03	03	25	50	75
				24	06	24	200	700	900

**V SEMESTER  
B.E. MINING ENGINEERING**

S.No	Sub- Code	Title	Teaching Dept.	Teaching hours/ Week		Examination			
				Theory	Pract.	Duration	I.A. Max. Marks	Theory/ Pract.	Total Marks
1	10MN 51	Entr. Development	MN	04	-	03	25	100	125
2	10MN 52	Mine Environmental Engg.-I	MN	04	-	03	25	100	125
3	10MN 53	Mining Machinery – II	MN	04	-	03	25	100	125
4	10MN 54	Mine Surveying – II	MN	04	-	03	25	100	125
5	10MN 55	Underground Coal Mining	MN	04	-	03	25	100	125
6	10MN 56	Mineral Economics	MN	04	-	03	25	100	125
7	10MNL 57	Mining Machinery Lab	MN	-	03	03	25	50	75
8	10MNL 58	Mine Surveying Lab – II	MN	-	03	03	25	50	75
				24	06	24	200	700	900

**VI SEMESTER  
B.E. MINING ENGINEERING**

S.No	Sub- Code	Title	Teaching Dept.	Teaching hours/ Week		Examination			
				Theory	Pract.	Duration	I.A. Max. Marks	Theory/ Pract.	Total Marks
1	10MN61	Surface Mining	MN	04	--	03	25	100	125
2	10MN 62	Mineral Processing	MN	04	--	03	25	100	125
3	10MN 63	Underground Metal Mining	MN	04	--	03	25	100	125
4	10MN 64	Mine Environmental Engg. – II	MN	04	--	03	25	100	125
5	10MN 65	Rock Mechanics	MN	04	--	03	25	100	125
6	10MN 66	* Elective : Group A	MN/ME	04	--	03	25	100	125
7	10MNL 67	Mineral Processing Lab	MN	-	03	03	25	50	75
8	10MNL 68	Mine Environmental Engg. Lab	MN	-	03	03	25	50	75
		TOTAL		24	06	24	200	700	900

**\*Elective Group – A:**

10MN661	Fuel Technology and Coal Preparation	10MN 662	Engineering Economics	10MN663	Small Scale & Marine Mining
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**VII SEMESTER  
B.E. MINING ENGINEERING**

S.No	Sub- Code	Title	Teaching Dept.	Teaching hours/ Week		Examination			
				Theory	Pract.	Duration	I.A. Max. Marks	Theory/ Pract.	Total Marks
1	10MN 71	Mine Planning and Design	MN	04	-	03	25	100	125
2	10MN 72	Ground Control	MN	04	-	03	25	100	125
3	10MN 73	Computer Applications in Mining	MN	04	-	03	25	100	125
4	10MN 74	Mine Legislation	MN	04	-	03	25	100	125
5		<b>*Elective – Group B</b>	MN	04	-	03	25	100	125
6		<b>* Elective – Group C</b>	MN	04	-	03	25	100	125
7	10MNL 77	Rock Mechanics Lab	MN	-	03	04	25	50	75
8	10MNL 78	Computer Application in Mining Lab	MN/M E	-	03	03	25	50	75
		<b>TOTAL</b>		24	06	25	200	700	900

<b>*Elective: Group – B</b>		<b>* Elective: Group – C</b>	
10MN751	Advanced Surface Mining	10MN761	Operation Research
10MN752	Project Management	10MN762	Operations Management
10MN753	Software Engineering	10MN763	Maintenance Management in Mines

**VIII SEMESTER  
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S.No	Sub-Code	Title	Teaching Dept.	Teaching hours/ Week		Examination			
				Theory	Pract.	Duration	I.A. Max. Marks	Theory/ Pract.	Total Marks
1	10MN81	General Safety	MN	04	-	03	25	100	125
2	10MN82	Mine Management	MN	04	-	03	25	100	125
3		<b>* Elective – Group D</b>	MN	04	-	03	25	100	125
4		<b>* Elective – Group E</b>	MN	04	-	03	25	100	125
5	10MN85	Project Work	MN	-	06	03	100	100	200
6	10MN86	Seminar on Project Work	MN	-	-	-	50	-	50
		<b>TOTAL</b>		16	06	15	250	500	750

<b>*Elective: Group – D</b>		<b>* Elective: Group – E</b>	
10MN831	Mine Transport System	10MN841	Deep Mining
10MN832	Mining Geo Statistics	10MN842	Mine Environment & Ecology
10MN833	Total Quality Management	10MN843	Rock Excavation Engineering