

Course	Mining Engineering	Code	MI
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Sem- III Sub. code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
3MI1	Strength of Materials	3			20	80	100	
3MI2	Mechanical Engineering	3			20	80	100	
3MI3	Elements of Mining	3			20	80	100	
3MI4	Mine Machinery - I	3			20	80	100	
3MI5	Mining Geology - I	3			20	80	100	
3MI6	Advanced Engg. Mathematics-I	3	1		20	80	100	
3MI7	Strength of Materials	Practical laboratory courses			3	45	30	75
3MI8	Mechanical Engineering				2	30	20	50
3MI9	Elements of Mining				3	45	30	75
3MI10	Mining Machinery - I				3	45	30	75
3MI11	Mining Geology - I				3	45	30	75
3MIDC	Discipline & Extra Curricular Activity						50	
Total		18	1	14			1000	

Sem- IV Sub. code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
4MI1	Electrical Engineering	3			20	80	100	
4MI2	Fluid Mechanics	3			20	80	100	
4MI3	Strata Control	3			20	80	100	
4MI4	Mining Geology II	3			20	80	100	
4MI5	Mine Development	3			20	80	100	
4MI6	Mine Surveying – I	3			20	80	100	
4MI7	Fluid Mechanics	Practical laboratory courses			2	30	20	50
4MI8	Mining Geology II				3	45	30	75
4MI9	Mine Development				3	45	30	75
4MI10	Mine Surveying – I				3	45	30	75
4MI11	Mine Computing Lab - I				3	45	30	75
4MIDC	Discipline & Extra Curricular Activity						50	
Total		18	0	14			1000	

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Sem- V Sub. code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
5MI1	Mine Ventilation	3			20	80	100
5MI2	Surface Mining	3			20	80	100
5MI3	Underground Coal Mining	3			20	80	100
5MI4	Computer Application in Mining	3			20	80	100
5MI5	Mine Surveying II	3			20	80	100
5MI6.1	Rock Mechanics	3			20	80	100
5MI6.2	Elective 2						
5MI6.3	Elective 3						
5MI7	Mine Ventilation	Practical laboratory courses		3	45	30	75
5MI8	Methods of Mining				45	30	75
5MI9	Computer Application in Mining				30	20	50
5MI10	Mine Surveying II				45	30	75
5MI11	Rock Mechanics				45	30	75
5MIDC	Discipline & Extra Curricular Activity						
Total		18	0	14			1000

Sem- VI Sub. code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
6MI1	Underground Mine Hazards	3			20	80	100	
6MI2	Dimensional Stone Technology	3			20	80	100	
6MI3	Underground Metalliferrous Mining	3			20	80	100	
6MI4	Mine Machinery II	3			20	80	100	
6MI5	Mining Geology III	3			20	80	100	
6MI6.1	Mine Safety Engineering	3			20	80	100	
6MI6.2	Elective 2							
6MI6.3	Elective 3							
6MI7	Dimensional Stone Technology	Practical laboratory courses		3	45	30	75	
6MI8	Underground Metalliferrous Mining II				45	30	75	
6MI9	Mine Machinery II				45	30	75	
6MI10	Survey camp				0	45	30	75
6MI11	Professional Ethics and Disaster Management				3	30	20	50
6MIDC	Discipline & Extra Curricular Activity							

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Course	Mining Engineering	Code	MI		
Total	18	0	12		1000

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Sem- VII Sub. code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
7MI1	Mine Legislation	3			20	80	100
7MI2	Mine Management	3			20	80	100
7MI3	Advanced Methods of Mining	3			20	80	100
7MI4	Mineral Processing	3			20	80	100
7MI5	Environmental Management in Surface Mines	3			20	80	100
7MI6.1	Rock Engineering	3			20	80	100
7MI6.2	Advances in Mine Ventilation						
7MI6.3	Remote Sensing and GIS						
7MI7	Special Methods of Mining			2	30	20	50
7MI8	Mineral Processing			2	30	20	50
7MI9	Environmental Management in Surface Mines			2	30	20	50
7MI10	Mine Computing Lab II			2	30	20	50
7MITR	Practical Training & Industrial visit			1		100	100
7MIPR	Project-1			1	50		50
7MIDC	Discipline & Extra Curricular Activity						50
	Total	18	0	10			1000

Sem- VIII Sub. code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
8MI1	Mine Economics and Financial Management	3			20	80	100	
8MI2	Mine Planning & Design	3			20	80	100	
8MI3	Rock Fragmentation	3			20	80	100	
8MI4.1	Experimental Stress Analysis	3			20	80	100	
8MI4.2	Numerical Methods							
8MI4.3	Maintenance Management							
8MI5	Mine Planning & Design	Practical laboratory courses			2	60	40	100
8MI6	Rock Fragmentation				2	45	30	75
8MI7	Elective				2	45	30	75
8MIPR	Project-2			2	120	80	200	
8MISM	Seminar			2	60	40	100	
8MIDC	Discipline & Extra Curricular Activity						50	
	Total	12	0	10			1000	