

Scheme of Teaching & Examination

(REVISED COURSE)

Second Year B.E (Mining Engg)-III

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
MN.3.1	Engg Mathematics III	3	1	-	3	100	25	-	-	125
MN.3.2	Mechanics of Solids	3	1	2	3	100	25	25	-	150
MN.3.3	Mechanics of Solids	3	-	2	3	100	25	25		150
MN.3.4	Elements of Mining Engineering	3	1	-	3	100	25	-	-	125
MN.3.5	Machine Drawing & CAD	1	1	3	3	100	25	25	-	150
MN.3.6	Mining Geology I	3	1	2	3	100	25	25	-	150
TOTAL		16	5	9		600	150	100	-	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

Th: Theory, S: Sessional, P:Practical,O: Oral

Note: Geological Tour/camp to be held during vacation after III semester, which will be evaluated in Semester IV.

- Theory combined with Sessional is a single head of passing while P,O are independent head of passing

Scheme of Teaching & Examination (REVISED COURSE)

Second Year B.E (Mining Engg)-IV

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
MN.4.1	Mine Development	3	1	-	3	100	25	-	-	125
MN.4.2	Fluid Mechanics & Machinery	3	-	2	3	100	25	25	-	150
MN.4.3	Mining Geology II	3	2	-	3	100	25	-	-	125
MN.4.4	Surveying-I	3	-	2	3	100	25	25	-	150
MN.4.5	Rock Mechanics & Ground Control-I	3	1	2	3	100	25	25	-	150
MN.4.6	Numerical Techniques & Statistics	3	1	-	3	100	25	-	-	125
MN.4.7	Geological Tour/Camp*	-	1	-	-	-	25	-	-	25
TOTAL		18	6	6		600	175	75	-	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

Th: Theory, S: Sessional, P:Practical,O: Oral

Note: Geological Tour/camp to be held during vacation after III semester, which will be evaluated in Semester IV.

- Theory combined with Sessional is a single head of passing while P,O are independent head of passing

Scheme of Teaching & Examination (REVISED COURSE)

Third Year B.E (Mining Engg)-V

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
MN.5.1	Surveying-II	3	-	2	3	100	25	25	-	150
MN.5.2	Rock Mechanics & Ground Control-II	3	-	2	3	100	25	-	25	150
MN.5.3	Mining Machinery-I	3	-	2	3	100	25	-	25	150
MN.5.4	Mine Management & Legislation	3	1	-	3	100	25	-	-	125
MN.5.5	Surface Mining	3	2	-	3	100	25	-	-	125
MN.5.6	Underground Coal Mining	3	1	-	3	100	25	-	-	125
MN.5.7	Industrial Training 1*	-	-	4	-	-	25	-	-	25
TOTAL		18	4	10		600	175	25	50	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

Th: Theory, S: Sessional, P:Practical,O: Oral

Note: Industrial Training is to be carried out during summer vacation after Semester IV and the report is Prepared in Fifth sem.

Note: A Survey camp/project will be organized during the winter vacation after V semester and the Project will be prepared in the sixth semester.

- Theory combined with Sessional is a single head of passing while P,O are independent head of passing

Scheme of Teaching & Examination (REVISED COURSE)

Third Year B.E (Mining Engg)-VI

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
MN.6.1	Mining Machinery-II	3	2	-	3	100	25	-	-	125
MN.6.2	Mine Environment-I	3	-	2	3	100	25	25	-	150
MN.6.3	Mineral Processing	3	-	2	3	100	25	25	-	150
MN.6.4	Underground Metal Mining	3	1	-	3	100	25	-	-	125
MN.6.5	Mine Economics & Valuation	3	1	-	3	100	25	-	-	125
MN.6.6	Mine Surveying	3	1	-	3	100	25	-	-	125
MN.6.7	Survey Camp/Project*	-	-	4	-	-	25	-	25	50
TOTAL		18	5	8	-	600	175	50	25	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

Th: Theory, S: Sessional, P:Practical,O: Oral

Note: A Survey camp/project will be organized during the winter vacation after V examination, whose evaluation is done in semester VI

Note: Industrial Training II is to be carried out during summer vacation after Semester VI examinations and the evaluation is done in semester VII.

- Theory combined with Sessional is a single head of passing while P,O are independent head of passing

Scheme of Teaching & Examination

(REVISED COURSE)

Final Year B.E (Mining Engg)-VII

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
MN.7.1	Mine Environment II	3	1	2	3	100	25	25	-	150
MN.7.2	Mine Disaster Management	3	1	-	3	100	25	-	-	125
MN.7.3	Mine Environmental Pollution & Control	3	1	2	3	100	25	-	25	150
MN.7.4	Elective-I	3	1	-	3	100	25	-	25	150
MN.7.5	Elective-II	3	1	-	3	100	25	-	25	150
MN.7.6	Project	-	-	4	3		25	-	50	75
MN.7.7	Industrial Training II *	-	-	4	-	-	25	-	25	50
TOTAL		15	5	12	-	500	175	25	150	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

Th: Theory, S: Sessional, P:Practical,O: Oral

* Training is to be carried out during summer vacation after Semester VI examinations, whose evaluation is done in Semester VII.

Note: Study Tour/ First Aid Camp will be held during winter vacation after Semester VII examinations.

Theory combined with Sessional is a single head of passing while P, O are independent head of passing .

ELECTIVE I
Rock Fragmentation Engineering
Ocean mining
Tunnel Engineering
U/G space construction
Petroleum Engineering
ELECTIVE II
Industrial Engineering
Renewable sources of energy
Advanced Engineering Statistics
Total Quality Management
Coal Washing and Handling

Scheme of Teaching & Examination

(REVISED COURSE)

Final Year B.E (Mining Engg)-VIII

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
MN.8.1	Mine Planning & Design	3	1	-	3	100	25	-	25	150
MN.8.2	Mine Safety & Legislation	3	1	-	3	100	25	-	25	150
MN.8.3	Elective-III	3	1	-	3	100	25	-	50	175
MN.8.4	Elective-IV	3	1	-	3	100	25	-	50	175
MN.8.5	Project	-	-	8	-	-	50	-	100	150
MN.8.6	Study Tour / First Aid Camp	-	-	4	-	-	25	-	25	50
TOTAL		12	4	12	-	400	175	-	275	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

Th: Theory, S: Sessional, P:Practical,O: Oral

* Study Tour/ First Aid Camp will be held during winter vacation after Semester VII examinations. The report preparation & evaluation is done in Semester VIII.

Theory combined with Sessional is a single head of passing while P, O are independent head of passing

ELECTIVE III
Small scale mining
Rock slope Engineering
Advanced surface mining
Geostatistics
Computer Applications in Mining
ELECTIVE IV
Exploration Geology
Systems Engineering
Entrepreneurship Development
Reliability Engg & Management
Finite Element Methods

ELECTIVE- Group A Electives I & II at VII Semester	ELECTIVE- Group B Electives III & IV at VIII Semester
Teaching Scheme:	Lecture: 3 Hrs
Tutorial: 1 Hr	Teaching Scheme:
Lecture: 3 Hrs	Tutorial: 1 Hr
Examination Scheme:	Theory: 100 Marks
Sessional:25 Marks	Oral: 25 Marks
Examination Scheme:	Theory: 100 Marks
Sessional:25 Marks	Oral: 50 Marks
ELECTIVE I	ELECTIVE III
Rock Fragmentation Engineering	Small scale mining
Ocean mining	Rock slope Engineering
Tunnel Engineering	Advanced surface mining
U/G space construction	Geostatistics
Petroleum Engineering	Computer Applications in Mining
ELECTIVE II	ELECTIVE IV
Industrial Engineering	Exploration Geology
Renewable sources of energy	Systems Engineering
Advanced Engineering Statistics	Entrepreneurship Development
Total Quality Management	Reliability Engg & Management
Coal Washing and Handling	Finite Element Methods