



# Chhattisgarh Swami Vivekanand Technical University (CSVTV, NEWAI (C.G.))

## SCHEME OF TEACHING AND EXAMINATION

### M. Tech (First Semester–Mining Engineering)

Sl. No.	BoardOf Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Mining Engineering	Numerical Modeling in Ground Control	5039111(039)	3	1	-	100	20	20	140	4
2.	Mining Engineering	Applied Rock Mechanics	5039112(039)	3	1	-	100	20	20	140	4
3.	Mining Engineering	Surface Mining Machinery	5039113(039)	3	1	-	100	20	20	140	4
4.	Mining Engineering	Project Management	5039114(039)	3	1	-	100	20	20	140	4
5.	Elective-I (Refer Table I)			3	1	-	100	20	20	140	4
6.	Mining Engineering	Numerical Modeling in Ground Control Practical	5039121(039)	-	-	4	75	-	75	150	2
7.	Mining Engineering	Applied Rock Mechanics Practical	5039122(039)	-	-	4	75	-	75	150	2
Total Marks				15	5	8	650	100	250	1000	24

L-Lecture, T-Tutorial, P-Practical, ESE-End Semester Exam, CT-Class Test, TA-Teacher's Assessment

**Table I (Elective I)**

S.N.	Board of Studies	Course Code	Subject
1.	Mining Engineering	5039131(039)	Surface Mine Planning
2.	Mining Engineering	5039132(039)	Underground Mine Planning
3.	Mining Engineering	5039133(039)	Applied Geology in Mine Planning

**Note (1) –** 1/4<sup>th</sup> of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.

**Note (2) –** Choice of elective course once made for an examination cannot be changed in future examinations.

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## SCHEME OF TEACHING AND EXAMINATION

### M. Tech (Second Semester – Mining Engineering)

Sl.No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Mining Engineering	Mineral Exploration and Geostatistics	5039211(039)	3	1	-	100	20	20	140	4
2.	Mining Engineering	Computer Aided Mine Planning & Design	5039212(039)	3	1	-	100	20	20	140	4
3.	Mining Engineering	Advanced Mine Safety Engineering	5039213(039)	3	1	-	100	20	20	140	4
4.	Mining Engineering	Environmental Hazards and Disaster Management in Mines	5039214(039)	3	1	-	100	20	20	140	4
5.	Elective-II (Refer Table I)			3	1	-	100	20	20	140	4
6.	Mining Engineering	Mineral Exploration and Geostatistics Lab	5039221(039)	-	-	4	75	-	75	150	2
7.	Mining Engineering	Computer Aided Mine Planning & Design Lab	5039222(039)	-	-	4	75	-	75	150	2
Total Marks				15	5	8	650	100	250	1000	24

L- Lecture, T- Tutorial, P- Practical, ESE- End Semester Exam, CT- Class Test, TA- Teacher's Assessment

**Table I (Elective II)**

S.N.	Board of Studies	Course Code	Subject
1.	Mining Engineering	<b>5039231(039)</b>	Waste Management in Mines
2.	Mining Engineering	<b>5039232(039)</b>	Rock Slope Engineering
3.	Mining Engineering	<b>5039233(039)</b>	Underground Space Technology

Note (1) – 1/4<sup>th</sup> of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session .

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## **SCHEME OF TEACHING AND EXAMINATION**

### **M. Tech (Third Semester – Mining Engineering)**

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Mining Engineering	Environmental Aspects Of Mining	5039311(039)	3	1	-	100	20	20	140	4
2.	Mining Engineering	Planning and Design of Mine Ventilation Systems	5039312(039)	3	1	-	100	20	20	140	4
3.	Mining Engineering	Preliminary work on Dissertation	5039321(039)	-	-	28	100	-	100	200	14
4.	Mining Engineering	Seminar on Industrial Training and Dissertation	5039322(039)	-	-	4	-	-	20	20	2
Total Marks				6	2	32	300	40	160	500	24

L- Lecture, T- Tutorial, P- Practical, ESE- End Semester Exam, CT- Class Test, TA- Teacher's Assessment



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## **SCHEME OF TEACHING AND EXAMINATION**

### **M.Tech (Fourth Semester – Mining Engineering)**

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Mark	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Mining Engineering	Dissertation + Seminar + Viva-Voce	5039421(039)	6	-	34	300	-	200	500	2
Total Marks				6	-	34	300	-	200	500	24

L – Lecturer, T – Tutorial, P – Practical, CT –Class Test, ESE – End Semester Exam, TA – Teacher's Assessment

### **Scheme of Marks Allotment**

Semester	Total Marks	Grand Total
<b>I</b>	<b>1000</b>	<b>3000</b>
<b>II</b>	<b>1000</b>	
<b>III</b>	<b>500</b>	
<b>IV</b>	<b>500</b>	