

# **SWAMI VIVEKANAND UNIVERSITY, SAGAR (M.P.)**



## **SYLLABUS**

**For**  
**DIPLOMA IN ENGINEERING (3 YEARS)**  
**MINING AND MINE SURVEYING**  
**Course Code : DMNS**

Mining and Mine surveying  
Faculty of Engineering

Duration of Course : 3 Years  
Examination Mode : Semester  
Examination System : Grading

Swami Vivekanand University, Sironja Sagar (M.P.)  
2015-2016



# Swami Vivekanand University, Sagar (M.P.)

## Scheme of Examination



Faculty of Engineering

Department of Mining Engineering

Scheme of Course: Diploma in Engg.(3 Year) – Mining and Mine surveying

Course Code : DMNS Semester/Year - 1<sup>st</sup> Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks											Duration of Theory Exam
		L	T	P		Theory					Practical				Grand Total (H= D+G)		
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal	Total (G= E+F)			
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min	LW (F)				
DMNS-0101	Communication Skills	3	1	-	4	70	22	10	20	100	-	-	-	-	100	3 Hrs	
DMNS-0102	Physics	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0103	Chemistry	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0104	Mathematics	3	1	-	4	70	22	10	20	100	-	-	-	-	100	3 Hrs	
	<b>Total</b>	12	04	04	20	280	-	40	80	400	60	-	40	100	500		



# Swami Vivekanand University, Sagar (M.P.)

## Scheme of Examination



Faculty of Engineering

Scheme of Course: Diploma in Engg.(3 Year) – Mining and Mine surveying

Department of Mining Engineering

Course Code : DMNS Semester/Year - 2<sup>nd</sup> Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks											Duration of Theory Exam
		L	T	P		Theory					Practical				Grand Total (H= D+G)		
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal	Total (G= E+F)			
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min				LW (F)	
DMNS-0201	Applied Mechanics	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0202	Environmental Engineering and Safety	3	1	-	4	70	22	10	20	100	-	-	-	-	100	3 Hrs	
DMNS-0203	Introduction to Computers	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0204	Engineering Drawing	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0205	Workshop Practice	-	-	4	4	-	-	-	-	-	60	18	40	100	100	-	
	<b>Total</b>	12	4	10	26	280	-	40	80	400	150	-	100	250	650	-	



# Swami Vivekanand University, Sagar (M.P.)

## Scheme of Examination



Faculty of Engineering

Department of Mining Engineering

Scheme of Course: Diploma in Engg.(3 Year) – Mining and mine surveying.

Course Code : DMNS Semester/Year – 3<sup>rd</sup> Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks											Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H= D+G)			
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal		Total (G= E+F)		
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min				LW (F)	
DMNS-0301	Mining-I	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0302	Basic Mechanical Engg.	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0303	Mining Geology-I	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0304	Surveying-I	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0305	Applied Civil Engineering	3	1	-	4	70	22	10	20	100	-	-	-	-	100	3 Hrs	
DMNS-0306	CAD Ppractical	0	0	2	2	-	-	-	-	-	50	-	50	100	100	-	
	<b>Total</b>	<b>15</b>	<b>05</b>	<b>12</b>	<b>32</b>	<b>350</b>	<b>-</b>	<b>50</b>	<b>100</b>	<b>500</b>	<b>170</b>	<b>-</b>	<b>130</b>	<b>300</b>	<b>800</b>		



# Swami Vivekanand University, Sagar (M.P.)

## Scheme of Examination



Faculty of Engineering

Scheme of Course: Diploma in Engg.(3 Year) – Mining and Mine surveying.

Department of Mining Engineering

Course Code : DMNS Semester/Year – 4<sup>th</sup> Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks											Duration of Theory Exam
		L	T	P		Theory					Practical				Grand Total (H= D+G)		
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal	Total (G= E+F)			
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min	LW (F)				
DMNS-0401	Basic Electrical Engineering	3	1	-	4	70	22	10	20	100	-	-	-	-	100	3 Hrs	
DMNS-0402	Mine Surveying-I	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0403	Mining Geology -II	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0404	Mining Machinery	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0405	Surface Mining	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0406	Field Visit	-	-	2	2	-	-	-	-	-	-	-	-	50	50	-	
DMNS-0407	Self Study / Practical Of Basic Civil (Internal Evaluation)	-	-	2	2	-	-	-	-	-	-	-	-	50	50	-	
	<b>Total</b>	15	05	12	32	350	-	50	100	500	120	-	80	300	800		



# Swami Vivekanand University, Sagar (M.P.)

## Scheme of Examination



Faculty of Engineering

Department of Mining Engineering

Scheme of Course: Diploma in Engg.(3 Year) – Mining and Mine surveying.

Course Code : DMNS Semester/Year – 5<sup>th</sup> Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks											Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H= D+G)			
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal		Total (G= E+F)		
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min				LW (F)	
DMNS-0501	Mining Hazards & Safety	3	1	-	4	70	22	10	20	100	30	10	20	50	150	3 Hrs	
DMNS-0502	Mine Ventilation	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0503	Strata Control	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs	
DMNS-0504	Mine Surveying Drawing	3	1	2	6	70	22	10	20	100	-	-	-	-	100	3 Hrs	
DMNS-0505	Tour / Training	-	-	4	4	-	-	-	-	-	50	25	50	100	100	-	
DMNS-0506	Minor Project	-	-	4	4	-	-	-	-	-	-	-	100	100	100	-	
DMNS-0507	Self study / Practical of Basic Civil (Internal Evaluation)	-	-	2	2	-	-	-	-	-	-	-	50	50	50	-	
	<b>Total</b>	12	04	16	32	280	-	40	80	400	140	-	260	400	800		



# Swami Vivekanand University, Sagar (M.P.)

## Scheme of Examination



Faculty of Engineering  
Scheme of Course: Diploma in Engg.(3 Year) – Mining Engg.

Department of Mining Engineering  
Course Code : DMNS Semester/Year – 6<sup>th</sup> Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks										Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H= D+G)		
						End Sem.		Internal		Total (D= A +B+C)	End Sem.		Internal		Total (G= E+F)	
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min				
DMNS-0601	Mine Surveying –II	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs
DMNS-0602	Mine Management Safety & Legislation	3	1	-	4	70	22	10	20	100	-	-	-	-	100	3 Hrs
DMNS-0603	Underground Mining Of Coal	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs
DMNS-0604	Under Ground Metaliferous Mining	3	1	2	6	70	22	10	20	100	30	09	20	50	150	3 Hrs
DMNS-0605	Major Project	-	-	8	8	-	-	-	-	-	100	50	100	200	200	-
DMNS-0606	Seminar	-	-	2	2	-	-	-	-	-	-	-	50	50	50	-
	Total	12	4	16	32	280	-	40	80	400	190	-	210	400	800	