

COURSE SCHEME												
BATCH 2021-2024												
DIPLOMA IN MINING												
SEMESTER I												
			Periods			Evaluation Scheme				Subject Total	Credit	Hours
S.No	Subject Code	Name of Subject	L	T	P	Assignment	TA	Total	ESE			
1	9D.102	Computer Fundamentals	2	0	0	20	10	30	70	100	2	2
2	9D.103	Basic Mathematics I	3	0	0	20	10	30	70	100	3	3
3	9D.104	Basic Chemistry	3	0	0	20	10	30	70	100	3	3
4	9D.106	Basic Physics I	3	0	0	20	10	30	70	100	3	3
5	40D.101	Life Skills I	2	0	0	20	10	30	70	100	2	2
PRACTICAL/DESIGN/DRAWING/SESSIONAL												
1	9DP.102	Computer Fundamentals Lab	0	0	2		30	30	20	50	1	2
2	9DP.104	Basic Chemistry Lab	0	0	2		30	30	20	50	1	2
3	9DP.105	Basic Engineering Graphics	0	0	4		30	30	20	50	2	4
4	9DP.106	Basic Physics I Lab	0	0	2		30	30	20	50	1	2
5	9DP.107	Workshop Practice I	0	0	4		30	30	20	50	2	4
									<b>TOTAL</b>	<b>750</b>	<b>20</b>	<b>27</b>

BATCH 2021-2024												
DIPLOMA IN MINING												
SEMESTER II												
			Periods			Evaluation Scheme				Subject Total	Credit	Hours
S.No	Subject Code	Name of Subject	L	T	P	Assignment	TA	Total	ESE			
1	9D.151	Basic Physics II	3	0	0	20	10	30	70	100	3	3
2	9D.152	Environmental Studies	3	0	0	20	10	30	70	100	3	3
3	9D.153	Engineering Mechanics	3	0	0	20	10	30	70	100	3	3
4	9D.154	Basic Mathematics II	3	0	0	20	10	30	70	100	3	3
5	9D.155	Basic Electrical & Electronics Engineering	3	0	0	20	10	30	70	100	3	3
6	40D.151	Life Skills II	2	0	0	20	10	30	70	100	2	2
PRACTICAL/DESIGN/DRAWING/SESSIONAL												
1	9DP.151	Basic Physics II Lab	0	0	2		30	30	20	50	1	2
2	9DP.153	Engineering Mechanics Lab	0	0	2		30	30	20	50	1	2
3	9DP.155	Basic Electrical & Electronics Engineering Lab	0	0	2		30	30	20	50	1	2
4	9DP.156	Workshop Practice II	0	0	4		30	30	20	50	2	2
									<b>TOTAL</b>	<b>800</b>	<b>22</b>	<b>25</b>

BATCH 2021-2024												
DIPLOMA IN MINING												

**SEMESTER III**

S. No	Subject code	Name of Subject	Period			Evaluation Scheme				Subject	Credit	Hours
			L	T	P	Assignment	T A	Total	ESC			
1	8D.201	Mechanical Engineering	3	0	0	20	10	30	70	100	3	3
2	8D.202	Mining Geology I	3	0	0	20	10	30	70	100	3	3
3	8D.203	Mine Surveying I	3	0	0	20	10	30	70	100	3	3
4	8D.204	Introduction to Mining	3	0	0	20	10	30	70	100	3	3
5	9D.204	Applied Mathematics	3	0	0	20	10	30	70	100	3	3
6	40D.201	Communication & Soft Skills	2	0	0	20	10	30	70	100	2	2
7	14D.201	<b>** Disaster Management</b>	3	0	0	20	10	30	70	100	0	3
<b>PRACTICAL / SESSIONAL</b>												
1	8DP.201	Mechanical Engineering Lab	0	0	2		30	30	20	50	1	2
2	8DP.202	Mining Geology I Lab	0	0	2		30	30	20	50	1	2
3	8DP.203	Mine Surveying I Lab	0	0	2		30	30	20	50	1	2
									<b>Total</b>	<b>850</b>	<b>20</b>	<b>23</b>

Vocational Training in a Surface / Underground Mine of minimum 30 (Thirty) days to be taken at the end of IIIrd Semester Will be Credited in Vth Semester.

**\*\* NOTE: Qualifying Non Credit Course**

**\*\*\* NOTE: For Lateral students ( Qualifying Non Credit Course )**

**BATCH 2021-2024****DIPLOMA IN MINING****SEMESTER IV**

S. No	Subject code	Name of Subject	Period			Evaluation Scheme				Subject	Credit	Hours
			L	T	P	Assignment	T A	Total	ESC			
1	8D.251	Mining Machinery I	3	0	0	20	10	30	70	100	3	3
2	8D.252	Basic Mine Electrical Engineering	3	0	0	20	10	30	70	100	3	3
3	8D.253	Mining Geology II	3	0	0	20	10	30	70	100	3	3
4	8D.254	Underground Coal Mining	3	0	0	20	10	30	70	100	3	3
5	8D.255	Underground Metal Mining	3	0	0	20	10	30	70	100	3	3
6	40D.251	Professional Skills	2	0	0	20	10	30	70	100	2	2
<b>PRACTICAL/ SESSIONAL</b>												
1	8DP.252	Basic Mine Electrical Engineering Lab	0	0	2		30	30	20	50	1	2
2	8DP.253	Mining Geology II Lab	0	0	2		30	30	20	50	1	2
									<b>Total</b>	<b>700</b>	<b>19</b>	<b>21</b>

Vocational Training in a Surface / Underground Mine of minimum 30 (Thirty) days to be taken at the end of IVth Semester Will be Credited in VIth Semester.

**\*\*\* NOTE: For Lateral students ( Qualifying Non Credit Course )**

**BATCH 2021-2024****DIPLOMA IN MINING****SEMESTER V**

			Period			Evaluation Scheme				Subject	Credit	Hours
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S. No	Subject code	Name of Subject	L	T	P	Assignment	T A	Total	ESC			
1	8D.301	Surface Mining	3	0	0	20	10	30	70	100	3	3
2	8D.302	Mine Surveying II	3	0	0	20	10	30	70	100	3	3
3	8D.303	Mining Machinery II	3	0	0	20	10	30	70	100	3	3
4	8D.304	Mine Ventilation	3	0	0	20	10	30	70	100	3	3
5	<b>ELECTIVE I (Any one of the followings)</b>											
	8D.331	Mine Environmental Engineering	3	0	0	20	10	30	70	100	3	3
	8D.332	Mine Reclamation and Closure										
	8D.333	Mine Planning and Design										
6	40D.401	**Seminar in Executive Communication	2	0	0	20	10	30	20	50	0	2
<b>PRACTICAL / SESSIONAL</b>												
1	8DP.302	Mine Surveying II Lab	0	0	2		30	30	20	50	1	2
2	8DP.304	Mine Ventilation & Environmental Engineering Lab	0	0	2		30	30	20	50	1	2
3	8D.345	Practical Training Project I	0	0	0		0	0	0	50	2	2
									<b>Total</b>	<b>700</b>	<b>19</b>	<b>23</b>

**\*\* NOTE: Qualifying Non Credit Course & only Viva voce is conducted**

<b>BATCH 2021-2024</b>													
<b>DIPLOMA IN MINING</b>													
<b>SEMESTER VI</b>													
			Period			Evaluation Scheme				Subject	Credit	Hours	
S. No	Subject code	Name of Subject	L	T	P	Assignment	T A	Total	ESC				
1	8D.351	Mine Legislation & Safety	3	0	0	20	10	30	70	100	3	3	
2	8D.352	Fuel Technology & Mineral Processing	3	0	0	20	10	30	70	100	3	3	
3	8D.353	Environmental Aspects of Mining	3	0	0	20	10	30	70	100	3	3	
4	8D.354	Rock Mechanics	3	0	0	20	10	30	70	100	3	3	
5	<b>ELECTIVE II (Any one of the followings)</b>												
	8D.381	Mine & Mineral Economics	3	0	0	20	10	30	70	100	3	3	
	8D.382	Remote Sensing & Geo-Informatics											
	8D.383	Engineering Economics											
	8D.384	Principle of Management											
6	40D.451	**Human Values and Ethics	2	0	0	20	10	30	70	100	0	2	
<b>PRACTICAL / SESSIONAL</b>													
1	8DP.352	Fuel Technology & Mineral Processing Lab	0	0	2		30	30	50	50	1	2	
2	8DP.354	Rock Mechanics Lab	0	0	2		30	30	50	50	1	2	
3	8D.395	Practical Training Project II	0	0	2		-	-	100	100	3	3	
									<b>Total</b>	<b>800</b>	<b>20</b>	<b>24</b>	
										<b>Total of all Semester :</b>	<b>4600</b>	<b>120</b>	

**\*\* NOTE: Qualifying Non Credit Course & only Viva voce is conducted  
MOOCs introduced through SWAYAM in all semester.**