

**COURSE SCHEME**
**BATCH 2023-2026**
**DIPLOMA IN MINING**
**SEMESTER I**

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

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**DIPLOMA IN MINING**
**SEMESTER II**

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

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**SEMESTER III**

S. No	Subject code	Name of Subject	Evaluation Scheme				Subject	Period			Credit	Hours
			Assign ment	T A	Total	ESC		L	T	P		
1	8D.201	Mechanical Engineering	20	10	30	70	100	3	0	0	3	3
2	8D.202	Mining Geology I	20	10	30	70	100	3	0	0	3	3
3	8D.203	Mine Surveying I	20	10	30	70	100	3	0	0	3	3
4	8D.204	Introduction to Mining	20	10	30	70	100	3	0	0	3	3
5	40D.201	Communication & Soft Skills	20	10	30	70	100	2	0	0	2	2
6	14D.201	Disaster Management	20	10	30	70	100	3	0	0	3	3
<b>PRACTICAL / SESSIONAL</b>												
1	8DP.201	Mechanical Engineering Lab		30	30	20	50	0	0	2	1	2
2	8DP.202	Mining Geology I Lab		30	30	20	50	0	0	2	1	2
3	8DP.203	Mine Surveying I Lab		30	30	20	50	0	0	2	1	2
							<b>Total</b>	<b>750</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.

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**DIPLOMA IN MINING**

**SEMESTER IV**

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

## BATCH 2023-2026

## DIPLOMA IN MINING

## SEMESTER V

S. No	Subject code	Name of Subject	Evaluation Scheme				Subject	Period			Credit	Hours
			Assign ment	T A	Total	ESC		L	T	P		
1	8D.301	Underground Metal Mining	20	10	30	70	100	3	0	0	3	3
2	8D.302	Mining Machinery II	20	10	30	70	100	3	0	0	3	3
3	8D.303	Mine Ventilation	20	10	30	70	100	3	0	0	3	3
4	8D.304	Mine Environmental Engineering	20	10	30	70	100	3	0	0	3	3
5	<b>ELECTIVE I (Any one of the followings)</b>		20	10	30	70	100	3	0	0	3	3
	8D.331	Mine Reclamation and Closure										
	8D.332	Environmental Aspects of Mining										
	8D.333	Mine Planning and Design										
6	40D.451	**Human Values and Ethics	20	10	30	70	100	2	0	0	0	2
<b>PRACTICAL / SESSIONAL</b>												
1	8DP.303	Mine Ventilation Lab		30	30	20	50	0	0	2	1	2
2	8D.345	Practical Training Report I					100				3	3
						<b>Total</b>	<b>750</b>				<b>19</b>	<b>22</b>

\*\* NOTE: Qualifying Non Credit Course

## BATCH 2023-2026

## DIPLOMA IN MINING

## SEMESTER VI

S. No	Subject code	Name of Subject	Evaluation Scheme				Subject	Period			Credit	Hours
			Assign ment	T A	Total	ESC		L	T	P		
1	8D.351	Mine Legislation & Safety	20	10	30	70	100	3	0	0	3	3
2	8D.352	Fuel Technology & Mineral Processing	20	10	30	70	100	3	0	0	3	3
4	8D.353	Rock Mechanics	20	10	30	70	100	3	0	0	3	3
5	<b>ELECTIVE II (Any one of the followings)</b>		20	10	30	70	100	3	0	0	3	3
	8D.381	Mine Safety Engineering										
	8D.382	Mine & Mineral Economics										
	8D.383	Remote Sensing & Geo-Informatics										
6	40D.401	**Seminar in Executive Communication	20	10	30	20	50	2	0	0	1	2
<b>PRACTICAL / SESSIONAL</b>												
1	8DP.352	Fuel Technology & Mineral Processing Lab		30	30	50	50	0	0	2	1	2
2	8DP.353	Rock Mechanics Lab		30	30	50	50	0	0	2	1	2
3	8D.395	Practical Training Report II					200				5	5
						<b>Total</b>	<b>750</b>				<b>20</b>	<b>21</b>
							<b>4500</b>				<b>120</b>	

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