

<b>COURSE SCHEME</b>			
<b>DIPLOMA IN MINING ENGINEERING</b>			
<b>SEMESTER I</b>			
<b>S. No.</b>	<b>Code</b>	<b>Course Title</b>	<b>Credit</b>
1	8DBSC101	Basic Mathematics I	3
2	8DBSC102	Basic Chemistry	3
3	8DBSC103	Basic Physics I	3
4	8DESC101	Fundamentals of Computer	3
5	8DHSMC101	Life Skills I	2
<b>PRACTICAL/SESSIONAL</b>			
1	8DBSC102P	Basic Chemistry Lab	1
2	8DBSC103P	Basic Physics I Lab	1
3	8DESC101P	Fundamentals of Computer Lab	1
4	8DESC102P	Basic Engineering Graphics Lab	1
5	8DESC103P	Workshop Practice I Lab	2
			<b>20</b>

<b>SEMESTER II</b>			
<b>S. No.</b>	<b>Code</b>	<b>Course Title</b>	<b>Credit</b>
1	8DBSC104	Basic Physics II	3
2	8DBSC105	Basic Mathematics II	3
3	8DESC104	Engineering Mechanics	3
4	8DESC105	Basic Electrical & Electronics Engineering	3
5	8DMC101	Environmental Studies	3
6	8DHSMC102	Life Skills II	2
<b>PRACTICAL/SESSIONAL</b>			
1	8DBSC104P	Basic Physics II Lab	1
2	8DESC104P	Engineering Mechanics Lab	1
3	8DESC105P	Basic Electrical & Electronics Engineering Lab	1
4	8DESC106P	Workshop Practice II Lab	1
			<b>21</b>

<b>SEMESTER III</b>			
<b>S. No.</b>	<b>Code</b>	<b>Course Title</b>	<b>Credit</b>
1	8DESC201	Mechanical Engineering	3
2	8DPCCMiE201	Mining Geology I	3
3	8DPCCMiE202	Mine Surveying I	3
4	8DPCCMiE203	Introduction to Mining	3
5	8DHSMC201	Communication & Soft Skills	2
<b>6</b>	8DMC201	Disaster Management	2
<b>PRACTICAL / SESSIONAL</b>			
1	8DESC201P	Mechanical Engineering Lab	1
2	8DPCCMiE201P	Mining Geology I Lab	1
3	8DPCCMiE202P	Mine Surveying I Lab	1
			<b>19</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 IVth Semester.

<b>SEMESTER IV</b>			
<b>S. No.</b>	<b>Code</b>	<b>Course Title</b>	<b>Credit</b>
1	8DPCCMiE204	Mining Machinery I	3
2	8DPCCMiE205	Mine Surveying II	3
3	8DPCCMiE206	Mining Geology II	3
4	8DPCCMiE207	Underground Coal Mining	3
5	8DPCCMiE208	Surface Mining	3
6	8DHSMC202	Professional Skills	2
<b>PRACTICAL/ SESSIONAL</b>			
1	8DPCCMiE205P	Mine Surveying II Lab	1
2	8DPCCMiE206P	Mining Geology II Lab	1
3	8DPROJMiE201	Practical Training Report I	3
			<b>22</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 Vth Semester.

<b>SEMESTER V</b>			
<b>S. No.</b>	<b>Code</b>	<b>Course Title</b>	<b>Credit</b>
1	8DPCCMiE301	Underground Metal Mining	3
2	8DPCCMiE302	Mining Machinery II	3
3	8DPCCMiE303	Mine Ventilation	3
4	8DPCCMiE304	Mine Environmental Engineering	3
5	<b>(Any one of the followings)</b>		3
	8DPECMiEEL301	Mine Reclamation and Closure	
	8DPECMiEEL302	Environmental Aspects of Mining	
	8DPECMiEEL303	Mine Planning and Design	
6	8DHSMC301	**Human Values and Ethics	0
<b>PRACTICAL / SESSIONAL</b>			
1	8DPCCMiE303P	Mine Ventilation Lab	1
2	8DPROJMiE301	Practical Training Report II	2
			<b>18</b>

\*\* NOTE: Qualifying Non Credit Course

<b>SEMESTER VI</b>			
<b>S. No.</b>	<b>Code</b>	<b>Course Title</b>	<b>Credit</b>
1	8DPCCMiE305	Mine Legislation & Safety	3
2	8DPCCMiE306	Fuel Technology & Mineral Processing	3
3	8DPCCMiE307	Rock Mechanics	3
4	<b>(Any one of the followings)</b>		3
	8DPECMiEEL304	Mine Safety Engineering	
	8DPECMiEEL305	Mine & Mineral Economics	
	8DPECMiEEL306	Mine Automation	
5	8DHSMC302	Seminar in Executive Communication	1
<b>PRACTICAL / SESSIONAL</b>			
1	8DPCCMiE306P	Fuel Technology & Mineral Processing Lab	1
2	8DPCCMiE307P	Rock Mechanics Lab	1
3	8DPROJMiE302	Mining Project	5
			<b>20</b>

