

Discipline mining Engg.	Semester 5 th	Name of the Teaching Faculty:	weeks	classes/days	Theory/Practical Topics
Subject:- m.c.p.s	no. of classes/days attended per week 04	Semester Starting from: No. of weeks :- 15		2 nd	Reg. No. :- 104-118
courses	Classes/days	Theory/Practical Topics.		3 rd	-> mine working: Reg. no. :- 119-132
1 st	1 st	<u>COAL MINES REGULATION-2011</u> -> Introduction on C.M.R. -> Return, Notices and Records. Reg. No. - 1-09	4 th	4 th	-> Precautions against dangers from fire, dust, gas and coal dust. Reg. no. :- 133-152.
	2 nd	-> Examination & certificates of competency and of fitness Reg. No. - 10-25		1 st	-> ventilation Reg. no. :- 153-173.
	3 rd	-> inspection and mine officials. Reg. no. - 26-36		2 nd	-> lighting and safety lamps. Reg. No. 174-182
	4 th	-> Duties and responsibilities of mine management, contractors, manufacturers, officials, compe- -tent person and workmen. Reg. No. :- 37-63.		3 rd	-> Explosives and shot firing. Reg. no. 183-207
2 nd	1 st	-> Plans and sections. Reg. No. :- 64-70	5 th	4 th	-> machinery, plant and equipment. Reg. no. :- 208-217
	2 nd	-> means of access and egress. Reg. No. 71-75		1 st	-> Extraction of CH ₄ from working coalmine or abandoned coalmine Reg. no. - 218-226.
	3 rd	-> winding on shafts. Reg. No. 76-91		2 nd	-> miscellaneous. Reg. no. :- 237-252
	4 th	-> haulage Reg. No. - 92-103.		3 rd	<u>MINES ACT - 1952</u> -> Preliminary (Ch-I) of mines Act 1952 Sec:- 1-4
3 rd	1 st	-> mine working.	6 th	4 th	-> Inspectors and Certifying Surgeons Sec:- 5-11
				1 st	-> Committees. Sec:- 12-18
				2 nd	-> mining operations and management of mines Sec:- 16-18

weeks	classes/days	Theory / Practical Topics
	3 rd	Provision as to Health and Safety. Sec. 19-22A
	4 th	Sec. 23-27
7 th	1 st	Hours and Limitations of Employees Sec. 28-34
	2 nd	Sec. 35-42
	3 rd	Sec. 43-48
	4 th	Leave with wages Sec. 49-56
8 th	1 st	Regulations, Rules and Bye-laws. Sec. 57-62
	2 nd	Penalties and Procedures Sec. 63-72A
	3 rd	Sec. 72B-81
	4 th	Miscellaneous Sec. 82-88
9 th	1 st	<u>MINES RULE 1986</u> Introduction of mines Rules 1986 Rule No. 1-2
	2 nd	Committee:- Rule No. 3-20
	3 rd	Certifying Surgeons. Rule No. 23-29.
	4 th	Court of Enquiry:- Rule No. 21-22. Medical Examination of persons employed or to be employed in mines.

weeks	classes/days	Theory / Practical Topics
10 th	1 st	Rule No. 29(A)-29(F). Workmen Inspector and Safety Committee:- 29(G)-29(H)
	2 nd	Health and Sanitation provisions 30-39
	3 rd	First-Aid and medical Appliances 40-USA
	4 th	Employment of Persons. 43-52
11 th	1 st	Leave with wages and overtime 53-61
	2 nd	welfare amenities. 62-74
	3 rd	Registers, Notices and Returns 75-79
	4 th	Miscellaneous. 80-83(A) Rescue and Saving. 84 with Schedule. Rescue Rule-1985
12 th	1 st	1. Preliminary. 2. Rescue Stations and Rescue Room
	2 nd	3. Duties and Responsibilities of Superintendents etc.

Weeks	class/days	Theory / Practical Topics
	3 rd	4. Organisation and Equipment in mines.
	4 th	5. Conduct of Rescue work. miscellaneous forms schedules.
13 th	1 st	<u>Mines & Central Electricity and Authority (2010)</u> 1. Definitions, Technical Note
	2 nd 3 rd	→ General Safety Requirements. → General condi ⁿ of supply and use of electricity. → system at low or medium voltage (upto 650V).
	4 th	→ System of high and Extra high voltage (over 650V)
14 th	1 st 2 nd	→ overhead lines → Additional precautions to be adopted in mines.
	3 rd	• <u>Indian Explosives Rule 2008</u> Introduction, Short titles. AMFO, Cap Sensitive, Competent person etc.
	4 th	Classification, Categorisation and Authorisation.
15 th	1 st 2 nd	General Provisions Revisions

week	class/days	Theory / Practical Topics
	2 nd 3 rd 4 th	Revisions Revisions Revisions.