

ARYAN SCHOOL OF ENGINEERING & TECHNOLOGY, BHUBANESWAR

Discipline: MINING ENGG.	Semester: 5 th	Name of the Teaching Faculty: Jagan Pratoj	
Subject: MINE LEGISLATION & GENERAL SAFETY-1	No of Days/Week Class Allotted: _____	Semester From date: 2/10/21 To date 18/1/22	No. of Weeks:

WEEK	Class Day	Theory Topics
1 st	1st	Mines Act -1952 → definitions
	2nd	presidential
	3rd	inspectors and certifying surgeons.
	4th	Committees
	5th	Mining operations and management of mines
2 nd	1st	Provisions as to Health and safety
	2nd	Hours and Limitation of employment
	3rd	''
	4th	Leave with wages.
	5th	''
3 rd	1st	penalties and procedure
	2nd	''
	3rd	Miscellaneous
	4th	''
	5th	Mines Rules 1955

4th	1st	Preliminary
	2nd	Committee
	3rd	Certifying surgeons
	4th	Medical examination of persons employed or to be employed in mines.
	5th	Workmen's Inspector and safety committee.
5th	1st	Health and sanitation provisions
	2nd	First-Aid and medical appliances
	3rd	Employment of persons
	4th	Leave with wages and overtime.
	5th	Coal Mines Regulations - 2017
6th	1st	preliminary
	2nd	Returns, notices and Records
	3rd	Inspectors and mine officials
	4th	Duties and responsibilities of mine management, contractor, manufacturer, official competent persons and workmen
	5th	"

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WEEK	Class Day	Theory Topics
7 th	1st	Plans and sections
	2nd	Means of access and egress
	3rd	Winding in shafts
	4th	Haulage
	5th	Mine working
8 th	1st	")"
	2nd	Precautions against danger from fire, dust, gas and water.
	3rd	Ventilation
	4th	Lighting and safety lamps
	5th	Explosives and shotfiring
9 th	1st	Machinery, plant and equipment
	2nd	Extraction of methane from working coal, mine or abandoned coal mine.
	3rd	Mines Rescue Rules 1985
	4th	Preliminary
	5th	Rescue stations and Rescue Rooms

10th	1st	Duties and responsibilities of superintendents etc.
	2nd	Organisation and equipment in mines
	3rd	Indian Explosive Rule - 2008
	4th	Preliminary
	5th	Classification, categorisation and authorisation.
11th	1st	General provisions
	2nd	Special provisions for manufacture of explosives
	3rd	Special provisions for import or export of explosives.
	4th	Special provisions for transportation of explosives.
	5th	Central Electricity Authority 2010
12th	1st	Short title and commencement, definition.
	2nd	Designating person to operate and carry out the work on electrical lines and apparatus.
	3rd	Qualification and duties of electrical safety officer.
	4th	Safety measures for operation and maintenance of electric systems.
	5th	General safety requirements pertaining to construction, installation, and protection.