

Dicipline:	MINING	Semester: 6th	Name of the Teaching Faculty:	
Subject: MINING GEOLOGY-II	No of Days/Week Class Allotted: _____	Semester From date: _____ To date _____	No.of Weeks:	
WEEK	Class Day	Theory Topics		
1	1st	Introduction to Stratigraphy		
	2nd	Description to the principles of stratigraphy & the geological time Scale.		
	3rd	Description to the principles of stratigraphy & the geological time Scale.		
	4th	Description to the stratigraphic sequence & lithology.		
	5th			
2	1st	Description to the stratigraphic sequence & lithology.		
	2nd	Description to the distribution & economic mineral deposits of Iron Ore series		
	3rd	Description to the distribution & economic mineral deposits of Iron Ore series		
	4th	Description to the Cuddpah Supergroup.		
	5th			
3	1st	Description to the Cuddpah Supergroup.		
	2nd	Description to the Vindhyan Supergroup.		
	3rd	Description to the Vindhyan Supergroup.		
	4th	Description to the gondwana Supergroup.		
	5th			

WEEK	Class Day	Theory Topics
4	1st	Description to the gondwana Supergroup.
	2nd	Introduction to Fossil fuel.
	3rd	Description to the different ranks of coal.
	4th	Description to different grades of coal like A,B,C,D.
	5th	
5	1st	Description to the various theories accounting for the origin of coal.
	2nd	Description to various important lower gondwana Coalfields of India.
	3rd	Description to the organic & inorganic theories accounting for the origin of petroleum.
	4th	Description to the organic & inorganic theories accounting for the origin of petroleum.
	5th	
6	1st	Defining of oil pool & oil trap.
	2nd	Description to process of accumulation of oil.
	3rd	Description to favorable conditions for accumulation of oil.
	4th	Description to different important oil fields in India.
	5th	

WEEK	Class Day	Theory Topics
7	1st	Defining of prospecting.
	2nd	Defining of exploitation.
	3rd	Differentiation between prospecting & exploration.
	4th	Explanation to Use of multi shot camera for borehole direction test.
	5th	
8	1st	Explanation to Use of multi shot camera for borehole direction test.
	2nd	Enumeration & description of various criteria for geological exploration.
	3rd	Enumeration & description of various criteria for geological exploration.
	4th	Description to various methods of Geophysical prospecting.
	5th	
9	1st	Description to various methods of Geophysical prospecting.
	2nd	Explanation to Geochemical prospecting.
	3rd	Explanation to biogeochemical.
	4th	Explanation to geo botanical prospecting.
	5th	

WEEK	Class Day	Theory Topics
10	1st	Differentiation between biogeochemical & geo botanical prospecting.
	2nd	Introduction to Economic Geology.
	3rd	Defining of ore, gangue, tenor & grade.
	4th	Description to the mineralogy, mode of occurrence, distribution & use of iron ore deposits in India.
	5th	
11	1st	Description to the mineralogy, mode of occurrence, distribution & use of iron ore deposits in India.
	2nd	Description to the mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses.
	3rd	Description to the mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses.
	4th	Description to the mineralogy, mode of occurrence & distribution of copper deposits in India & uses of this metal.
	5th	
12	1st	Description to the mineralogy, mode of occurrence & distribution of copper deposits in India & uses of this metal.
	2nd	Description to the mineralogy, mode of occurrence, distribution of lead & zinc deposits in India & the uses of these metals.
	3rd	UNFC (United Nation Framework of Classification) code of classification of reserves.
	4th	UNFC (United Nation Framework of Classification) code of classification of reserves.
	5th	

WEEK	Class Day	Theory Topics
13	1st	Introduction to Sampling.
	2nd	Explanation to the method of preparation of samples for assay.
	3rd	Explanation to the method of preparation of samples for assay.
	4th	Description to different types of Sampling method.
	5th	
14	1st	Description to different types of Sampling method.
	2nd	Description to different types of Sampling method.
	3rd	
	4th	
	5th	
15	1st	
	2nd	
	3rd	
	4th	
	5th	