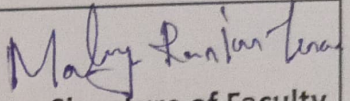


GOVERNMENT POLYTECHNIC JAIPUR		
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DEPARTMENT OF MINING ENGINEERING		
LESSON PLAN		
Discipline: MINING	Semester:6th	Name of the Teaching faculty: MALAYA RANJAN JENA
Subject: MINING GEOLOGY-II	No of Days/Week class allotted: 4	Semester from Date: 10/03/22 To Date: 10/06/22 No of weeks: 16
Week	Class Day	Topics
1st	1st	Describe the principles of stratigraphy.
	2nd	Describe the principles of stratigraphy.
	3rd	Describe the geological time Scale.
	4th	Describe the geological time Scale.
2nd	1st	Describe the stratigraphic sequence, lithology, distribution & economic mineral deposits of Iron Ore series
	2nd	Describe the stratigraphic sequence, lithology, distribution & economic mineral deposits of Iron Ore series
	3rd	Describe the stratigraphic sequence, lithology, distribution & economic mineral deposits of Cuddpah Supergroup.
	4th	Describe the stratigraphic sequence, lithology, distribution & economic mineral deposits of Cuddpah Supergroup.
3rd	1st	Describe the stratigraphic sequence, lithology, distribution & economic mineral deposits of Vindhyan super group.
	2nd	Describe the stratigraphic sequence, lithology, distribution & economic mineral deposits of Vindhyan super group.
	3rd	Describe the stratigraphic sequence, lithology, distribution & economic mineral deposits of gondwana super group.
	4th	Describe the stratigraphic sequence, lithology, distribution & economic mineral deposits of gondwana super group.
4th	1st	Describe the different ranks of coal.
	2nd	Describe different grades of coal like A,B,C,D.
	3rd	Class Test-I
	4th	Describe the various theories accounting for the origin of coal.
5th	1st	Describe the various theories accounting for the origin of coal.
	2nd	Describe various important lower gondwana Coalfields of India.
	3rd	Describe various important lower gondwana Coalfields of India.
	4th	Describe the organic & inorganic theories accounting for the origin of petroleum.
6th	1st	Describe the organic & inorganic theories accounting for the origin of petroleum.
	2nd	Define oil pool & oil trap.
	3rd	Describe process of accumulation of oil.
	4th	Describe process of accumulation of oil.

7th	1st	Describe favorable conditions for accumulation of oil.
	2nd	Describe different important oil fields in India.
	3rd	Describe different important oil fields in India.
	4th	Define prospecting. Differentiate between prospecting & exploration.
8th	1st	Differentiate between prospecting & exploration.
	2nd	Internal-I
	3rd	Use of multi shot camera for borehole direction test.
	4th	Enumerate & describe various criteria for geological exploration.
9th	1st	Describe various methods of Geophysical prospecting.
	2nd	Describe various methods of Geophysical prospecting.
	3rd	Explain Geochemical prospecting.
	4th	Explain Geochemical prospecting.
10th	1st	Differentiate between biogeochemical & geo botanical prospecting.
	2nd	Differentiate between biogeochemical & geo botanical prospecting.
	3rd	Define ore & gangue.
	4th	Define tenor & grade.
11th	1st	Describe the mineralogy, mode of occurrence of iron ore deposits in India .
	2nd	Describe the distribution & use of iron ore deposits in India.
	3rd	Describe the mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses.
		4th
12th	1st	Class Test-II
	2nd	Describe the mineralogy, mode of occurrence & distribution of copper deposits
	3rd	Describe the mineralogy, mode of occurrence & distribution of copper deposits
	4th	Describe the mineralogy, mode of occurrence & distribution of copper deposits
13th	1st	Describe the mineralogy, mode of occurrence, distribution of lead & zinc deposits in India & the uses of these metals
		Describe the mineralogy, mode of occurrence, distribution of lead & zinc deposits in India & the uses of these metals
	2nd	Describe the mineralogy, mode of occurrence, distribution of lead & zinc deposits in India & the uses of these metals
		Describe the mineralogy, mode of occurrence, distribution of lead & zinc deposits in India & the uses of these metals
4th	UNFC (United Nation Framework of Classification) code of classification of reserves.	

14th	1st	Define sampling, outline the method of preparation of samples for assay.
	2nd	Explain sampling
	3rd	INTERNAL - II
	4th	Previuos year questions, quiz
15th	1st	Previuos year questions, quiz
	2nd	previous year question disscussion
	3rd	REVISION, Doubt clearing class (DC)
	4th	REVISION, Doubt clearing class (DC)
		 Signature of Faculty