P. Pages Time : 7		ogy (Coal, Petroleum & Nucl	ear) Paper-I GUG/W/18/2266 Max. Marks : 80
No	otes : 1. All questions are co 2. Draw neat sketches	mpulsory and carry equal marks. wherever necessary.	
1.	Discuss various theories of o strata.	origin of coal. Add a note on Sedime	ntology of coal bearing
		OR	
	Write notes on the followinga) Proximate analysisc) Coal gasification	b) Coal carbonizationd) Structures associate	d with coal seams
2.	Describe in detail the geological and geographical distribution of coal and lignite deposits in India.		
		OR	
	Write notes on the followinga) Microlitho typec) Coal bed methane		orescence microscopy eserves
3.	Discuss various types of hydrocarbon traps.		
		OR	
4.	 Write notes on the following a) Migration of oil and gas c) Petroliferous basins of I Discuss the Principles and m 	b) Classification of res ndia d) Present status of hyd	drocarbons in India
	Discuss the Principles and methods of exploration for radioactive mineral deposits. OR		
	 Write notes on the following: a) Mineralogy and geochemistry of radioactive minerals. b) Distribution of atomic minerals in India. c) Geiger muller counter d) Atomic fuels and environment 		
5.	 Write short notes on the follo a) Coal combustion c) Maceral e) Kerogen g) Radiometric Surveys 	wing: b) Types of coal d) Indian coal reserves f) Cap rock h) Nuclear power statio	

M.Sc. - II (Geology) Third Semester Old Course
