

***(Turn Over)***

( 2 )

**Unit-II**

2. Write an essay on origin, nature and migration of oil and gas. 20

**OR**

Write notes on the following :

- (a) Kerogen 10  
(b) Oil bearing basins of India 10

**Unit-III**

3. Write notes on the following :  
(a) Atomic fuels and environment 10  
(b) Modern concept of orogenesis 10

**OR**

Write notes on the following in detail :

- (a) Textures of ore 10  
(b) Ore bearing fluids, their origin and migration 10

**Unit-IV**

4. Write notes on the following :  
(a) R. E. E. and Isotopes 10  
(b) Organic matters in ore 10

**OR**

**( 3 )**

Write notes on the following :

- (a) Diamond in kimberlite (Orthomagmatic ores) 10
- (b) Petrological association of chromite and platinum 10

**Unit-V**

**5.** Write notes on the following :

- (a) Black Smokers 10
- (b) Mn Nodules 10

***OR***

Write notes on the following :

- (a) Ore minerals of Manganese, tenor and chemical composition 10
- (b) Ore minerals of Aluminium, tenor and chemical composition 10