



## UNIVERSITY DEPARTMENT OF GEOLOGY

KOLHAN UNIVERSITY, CHAIBASA - 853502

Singbhum West, Jharkhand, India

Ref. No. ....

Date: .....

Head, P.G. Dept. of Geology  
KOLHAN UNIVERSITY, CHAIBASA  
JHARKHAND

8 ①

SEM-IV

PAPER - CC-9

Q.1. Match the columns A &amp; B

A

B

- |                             |                          |
|-----------------------------|--------------------------|
| (i) water bearing bed       | (9) water recharge.      |
| (ii) rock medolites         | (10) landslide.          |
| (iii) France                | (11) Chhoro Flodo carbon |
| (iv) excessive drawdown     | (12) spillway            |
| (v) dams                    | (13) crushing strength.  |
| (vi) dust pollution         | (14) ICE AGE.            |
| (vii) Rainwater harvesting  | (15) mining activity.    |
| (viii) Instability of slope | (16) Aquifer             |
| (ix) Pleistocene            | (17) Artesian well.      |
| (x) Global warming          | (18) cone of depression. |

Q.2. Discuss the role of groundwater in hydrological cycle.

Q.3. What are the causative factors of groundwater level fluctuations and environmental influences.

Q.4. Describe the chemical characteristics of Industrial, Domestic and Irrigational grade ground water.

Cont. on P2



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PQ

Q.5. Explain the causes of climatic changes & its impact on human activities.

Q.6. Discuss the geological considerations for selection of a tunnel site.

Q.7. Write notes on any two of the following:

(a) Rain Water Harvesting (b) Mining hazards.

(c) Aquifers.

Q.8. Give an account of groundwater provinces of India.

Ans. Key for Q. 1

(i) — (viii)

(ii) — (vi)

(iii) — (ix)

(iv) — (x)

(v) — (vii)

(vi) — (iii)

(vii) — (i)

(viii) — (ii)

(ix) — (vi)

(x) — (iv)

Ans. Key  
22/04/2020



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Date: .....

Topic: Oil shale  
Head, P.O. School of University  
KOLHAN UNIVERSITY, CHAIBASA  
JHARKHAND

Q1

SEM - IV

PAPER - EC-4 (GE/DC).

(50.A).

Q.1. Match the columns A &amp; B

A

B

- (i) Lithologic Trap  
(ii) unconformity  
(iii) origin of petroleum  
(iv) Exploration of petroleum  
(v) Kerogen  
(vi) Petroleum  
(vii) wax  
(viii) Fault  
(ix) K-G Basin  
(x) Digboi

- (i) Spent oil spores.  
(ii) Oil shale.  
(iii) Liquid Hydrocarbon.  
(iv) Solid hydrocarbon  
(v) Stratigraphic Trap.  
(vi) Structural Trap.  
(vii) Impermeable Trap.  
(viii) oldest oil field in India.  
(ix) Anaerobic decay  
(x) Gas seepage.

Q.2. Discuss the origin and nature of petroleum.

Q.3. Give an account of various types of reservoir traps of oil and gas.

Q.4. Describe various Geological, Geophysical & Geophysical exploration methods.

Q.5. Discuss the Petroleum basins of India

Contd. on P2



A. K. Upadhyay

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P(2)

Q.6. Give a brief account of global occurrences of Petroleum.

Q.7. Write notes on any two of the following:

(a) Migration of Petroleum (b) Future prospect of Petroleum.

(c) Petrology & petroleum exploration.

Q.8. Discuss the identification and characterization of Petroleum Source rocks.

Ans. Key for Q.1

(I) - (VI)

(II) - ~~(V)~~ (V)

(III) - (IX)

(IV) - (I)

(V) - (II)

(VI) - (III)

(VII) - (IV)

(VIII) - (X)

(IX) - (XI)

(X) - (XII)

Ans. Key  
22/04/2020

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