

Roll No.:

(2)

Total No. of Questions : 11] [Total No. of Printed Pages : 4

PK-448

M.Sc. IV Semester Geology (Reg./ATKT)

Examination June 2018

FUEL GEOLOGY

Paper- I

Time Allowed : Three Hours]

[Maximum Marks : 85

Note : Attempt all questions.

Section - A

Objective Type Questions

5×2=10

Q.1. Choose the correct answer:

- i) Which one of the following is the high rank variety of coal:
(a) Lignite (b) Peat
(c) Anthracite (d) Bitumen
- ii) Briquetting stands for
(a) Powdering
(b) Making balls of coal
(c) Burning of coal
(d) None of the above

iii) The most productive coal belt of India lies in

- (a) Madhya Pradesh
- (b) Uttar Pradesh
- (c) West Bengal
- (d) Bihar

iv) Unconformity is a Variety of _____

- (a) Petroleum Traps
- (b) Oil field
- (c) Process of migration
- (d) None of the above

v) Thorium deposits in India are reported from

- (a) Digana
- (b) Malanjkhand
- (c) Bodal
- (d) Kerala

Section - B

Short Answer Type Questions

5×6=30

Q.2. Write notes on the following Varieties of coal.

OR

Write notes on the following Minerals.

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Q.3. Write notes on the following Washing of Coal.

OR

Write notes on the following Carbonization.

Q.4. Write notes on the following Coal bed methane.

OR

Write notes on the following Jharia coal field.

Q.5. Write notes on the following Migration of Oil.

OR

Write notes on the following Ankleshwar Oil Field.

Q.6. Write notes on the following Distribution of atomic minerals in India.

OR

Write notes on the following Mode of occurrence of atomic minerals.

Section - C

Long Answer Type Questions

5×9=45

Q.7. Describe the in-situ theory of origin of coal.

OR

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Write the physico-chemical characterization of coal.

Q.8. Discuss coal classification in detail.

OR

Gasification and hydrogenation process of coal.

Q.9. Describe coal fields of M.P.

OR

Describe the opencast methods of coal mining.

Q.10. Discuss origin of petroleum and natural gas.

OR

Describe the status of oil and natural gas in India in present scenario.

Q.11. Describe various methods of prospecting of Radio-Active minerals.

OR

Discuss the role of atomic power in the development of our country.



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