

(Following Paper ID and Roll No. to be filled in your  
Answer Books)

Paper ID :

Roll No. 

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**B.TECH.**

**Theory Examination (Semester-IV) 2015-16**

**GEOLOGY OF PETROLEUM**

*Time : 3 Hours*

*Max. Marks : 100*

**Section-A**

**1. Attempt all questions :** (2×10 = 20)

- (a) Define petroleum and component.
- (b) Define Dew point and pore point.
- (c) Define cap rock.
- (d) Define source rock and reservoir rock.
- (e) Define refractive index for oil.
- (f) Define flash point and Burning point.
- (g) Discuss evidences of migration of petroleum.
- (h) Define logging.
- (i) Define production testing.
- (j) Define Shale gas

(1)

P.T.O.

## Section-B

2. **Attempt any five questions.** (10×5 = 50)

- (a) Define chemical property of OIL in detail.
- (b) Define API Gravity and viscosity.
- (c) Describe Reservoir traps with suitable figure.
- (d) Explain Surface and subsurface occurrence in detail.
- (e) Define Biochemical and chemical traps.
- (f) Explain drilling and drilling mud.

## Section-C

**NOTE: Attempt any two questions.** (15×2 = 30)

- 3. Explain Geophysical, Geological and Geochemical approaches of exploration.
- 4. Explain origin of petroleum in detail.
- 5.
  - (a) Explain production testing.
  - (b) Explain coring.