

Code No: **R32271**

**R10**

**Set No. 1**

**III B.Tech II Semester Supplementary Examinations, April - 2017**

**WELL COMPLETIONS & TESTING**

**(Petroleum Engineering)**

**Time: 3 hours**

**Maximum Marks: 75**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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- 1 a) What are the types of well completion methods? [8M]  
b) Distinguish between perforated casing and multiple completions methods. [7M]
- 2 Explain about different types of perforation techniques with neat sketch. [15M]
- 3 a) Explain about mechanical packers with diagrams. [8M]  
b) What is the mechanism of setting packers? [7M]
- 4 a) Discuss about bottom hole gauges. [7M]  
b) Write down the applications of fiber optics. [8M]
- 5 What are the materials required for designing a tubing string. Explain with dimensions. [15M]
- 6 a) Explain briefly about coil tubing completion with a neat diagram. [8M]  
b) Discuss about the wire line tools required for work over operations. [7M]
- 7 a) Discuss briefly about wellbore storage effect. [8M]  
b) Describe about acid fracturing and its applications. [7M]
- 8 a) How do you interpret formation permeability by pressure drawdown test? [8M]  
b) Distinguish between modified isochronal and isochronal test. [7M]

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