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**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF ENGINEERING**

**SUMMER TERM / MAKE UP END TERM EXAMINATION**

**Semester:** Summer Term 2019

**Date:** 26 July 2019

**Course Code:** PET 208

**Time:** 2 Hour

**Course Name:** Drilling Engineering

**Max Marks:** 80

**Programme & Sem:** B.Tech (PET) & IV Sem

**Weightage:** 40%

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**Instructions:**

- (i) *Read the question properly and answer accordingly.*
  - (ii) *Question paper consists of 3 parts.*
  - (iii) *Scientific and Non-programmable calculators are permitted.*
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**Part A**

Answer **both** Questions. **Each** Question carries **ten** marks. (2Qx10M=20)

1. Write any five function of both Drilling fluid along with their significance.
2. What are the accessories used in Oil well cementing and what are their function

**Part B**

Answer the Question. **The** Question carries **twenty** marks. (1Qx20M=20)

3. Discuss about different classes of Oil well cement.

**Part C**

Answer **both** Questions. **Each** Question carries **twenty** marks. (2Qx20M=40)

4. What are the major type of most widely used Drilling fluid in oil industry? Write difference between them. Define mud thinner and mud thickener with two example each. Which polymer is used in KCl/Polymer based mud? What is its importance? Describe mud conditioning system.
5. Explain Oil well cementing procedure.

