

**ASSIGNMENT NO.-1, M.TECH (CHEMICAL ENGG), 3<sup>rd</sup> SEM**

**COURSE: M.TECH (CHEMICAL ENGG), 3<sup>rd</sup> SEM, PETROLEUM ENGINEERING, MT-CHE-232**

ASSIGNMENT NO:1

Due date of submission: 10.11.2016

Instructions

1. Write the response to the assignment in your own handwriting.
2. Submit the response to your HOD within the due dates
3. Write your name, programmed and enrolment No. clearly at top of the page.

Q1)

- a) Describe fluid bed catalytic cracking?
- b) Explain orthoflow catalytic cracking?

Q.2)

- a) Explain octane and cetane number?
- b) Explain wax separation technique?

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**INSTRUMENTATION METHODS OF ANALYSIS, MT-CHE-231**

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Q1)

- a) Explain Lambert's Law and Beer's Law.
- b) Explain instrumentation of UV-visible spectroscopy.

Q.2)

- a) Explain basic principle and instrumentation of HPLC.
- b) Write short note on glucose sensor.