

No. of Printed Pages : 03

Roll No. ....

**751**

**B. Tech. EXAMINATION, Dec. 2017**

(Seventh Semester)

(Old Scheme) (Re-appear Only)

CHE

(CHE-401)

PETROLEUM ENGINEERING

*Time : 3 Hours]*

*[Maximum Marks : 100*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note :** Attempt any *Five* questions. All questions carry equal marks.

(3-15/11)M-751

**P.T.O.**

1. What is the origin of petroleum and state its constituents ? Also, mention the classification based on its composition. **20**
2. Discuss the distillation of petroleum at atmospheric pressure. State its various product streams with their uses. **20**
3. Discuss the detailed process of catalytic cracking. **20**
4. Why isomerization is done ? Explain the process with a neat diagram. **20**
5. Discuss sweetening process in detail. Also, highlight, how is it different from hydrodesulphurization ? **20**
6. Why polymerisation is required in refinery ? Explain the process. **20**

7. Discuss the following terms : **4×5**
  - (a) Flash
  - (b) Fire point
  - (c) API gravity
  - (d) Cetane number.
8. What measures are taken into account during the storage of fuel oils ? **20**