Roll No.

24005

B. Tech 1st Semester (Common for All Branches) Examination – December, 2017

ENGINEERING CHEMISTRY

Paper: CH-101-F

Time: Three Hours

[Maximum Marks : 100

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

compulsory. All question carry equal marks.

- 1. (a) Define incongruent melting point.
- (b) What do you understand by metastable equilibrium?
- (c) Describe the positive and negative catalysis with examples.
- (d) Name the type of impurities present in natural water.
- (e) What are zeolites?
- Define Microbiological corrosion.

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SECTION - C

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(a)
6. (a) Name the different methods of corrosion control.

- Write a note on differential aeration corrosion. 10
- 7. Write short notes on the following properties of lubricants:
- (a) Viscosity index
- 9 Acid value
- 0 Saponification number Flash and Fire Point

S S 5

SECTION - D

00 How are polymers classified on the basis of structure, synthesis, source of origin, molecular forces.

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- 9 Describe the principle, technique and application of the following:
- (a) (b) UV spectroscopy DTA

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