Roll No

ME-8003(1) (CBGS)

B.E. VIII Semester

Examination, May 2019

Choice Based Grading System (CBGS)

Tribology

Time: Three Hours

Maximum Marks: 70

- Note: i) Attempt any five questions.
 - ii) All questions carry equal maks.
- 1. a) Describe the importance of Tribology study.
 - b) Differentiate between surface fatigue and creep.
- a) What do you mean by viscoelastic behaviour of material?
 - b) What is rolling friction? Explain.
- 3. Explain the following in brief.
 - Stick slip characteristics of friction.
 - ii) Interface temperature.
 - iii) Plastic behaviour of material.
- 4. What is wear? Explain different types of wear mechanisms.
- a) Write a note on wear prevention.
 - b) What is corrosion? Explain.
- a) Discuss desirable properties of good lubricant.
 - b) What is DIN standards?

- a) What do you understand by Nano Tribology? Give two examples.
 - b) Discuss lubrication requirements of a two wheelers.
- 8. Write short notes on any three.
 - i) Surface preparation for wear measurement
 - ii) Wear mapping of materials
 - iii) Additives for lubricants
 - iv) Dynamic seal
