

- What do you mean by the term “*Tribology*”?
- What is a rough surface?
- What is the role of friction in Tribology?
- What is the function of grease lubricants?
- For what reasons bearing maintenance is done?
- What is elasto hydrodynamic lubrication?
- Discuss the properties of the liquid lubricants.
- Give the laws of static friction.
- What do you mean by diagnostic maintenance of tribological components?
- Give the concept of boundary friction.

SECTION-B

- Q2 Discuss in detail the mechanical properties of surface layers.
- Q3 Explain how wear occurs in Metals and Non-metals.
- Q4 Explain the concept of corrosive wear.
- Q5 Explain the laws of rolling friction.
- Q6 Discuss in brief wear measurement.

SECTION-C

- Q7 Explain with suitable examples why additives are used in lubricants.
- Q8 Discuss the methods of studying the various surfaces.
- Q9 Explain the factors for selecting bearing and lubricants.