

3. Define Wear. How the wear is classified ?  
Describe in detail the four basic mechanisms of Wear.

4. Describe the various regimes of film lubrication with the help of 'Stribeck Curve'.

5. How the viscosity of the fluid is affected by temperature, pressure and shear rate ? Explain in detail.

6. Name the materials used for the Tribo-system. Explain the reasons of the current selection.

7. Derive an expression for the generalized Reynolds equation by stating the assumption made.

8. Write short notes on the following :

- (a) Online Monitoring of Tribo-Systems
- (b) Junction Growth Theory.

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Roll No. ....

Subject Code—6026

**M. Tech. EXAMINATION**

(Third Semester)

(Main/Re-appear Batch 2011 Onwards)

**MECH. ENGINEERING**

**MELP-732**

**Tribological Practices**

*Time : 3 Hours*

*Maximum Marks : 70*

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

1. Why environmental aspects of lubrication are becoming increasingly important nowadays ? Explain in detail.
2. What are the main causes of Friction ? Explain abrasive theory of friction in detail.

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**P.T.O.**