Time: Three hours   TRIBOLOGY   Full marks:100

Answer any five questions:

1. Deduce Petroff's equation mentioning the assumptions made.   (20)
2. Expound " Stribeck Curve" with examples.   (20)
3. State and explain the laws of friction with suitable examples.   (20)
4. Propound different bearing materials used in industries.   (20)
5. Explicate various wear models.   (20)
6. Write short note on any two: (10x2=20)
   a) SOAP
   b) Bearing life
   c) Bearing curve
   d) System concept
   e) Viscosity