Bachelor of Engineering in Production

Ex/Prod/T/424A/2024(S)

Engineering Supplementary Examination -2024

(4th year, 2nd semester)

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