

- 5A.** Explain the use of Tafel extrapolation method in measurement of corrosion rate. **3**
- 5B.** A tank is to be protected from corrosion. The tank is to be used in an aqueous medium which has a pH value less than 3. Also, it is known that the material of the tank exhibits an active-passive behavior. Suggest and explain the most suitable prevention technique. **3**
- 5C.** Discuss the objectives of “coatings” on substrate of materials. **4**