

4. a) Describe Five materials used in design of cutting tools giving their characteristic (10 marks)
- b) Explain the following surface finish processes:
- i. Electroplating (10 marks)
 - ii. Anodizing
 - iii. Auto deposition
 - iv. Chromating
 - v. Electro coating
5. a) Discuss Five heat treatment methods done to plain steels. (10 marks)
- b) Describe Five types of cutting fluids used in workshops giving atleast Two desirable characteristics. (10 marks)