

Code No: 07A42102

**R07**

**Set No. 4**

**II B.TECH II SEM–REGULAR/SUPPLEMENTARY EXAMINATIONS MAY - 2010**

**AIRCRAFT PRODUCTION TECHNOLOGY**

**Aeronautical Engineering**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions  
All Questions carry equal marks**

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1. Write short notes on:
  - (a) Zero defect program
  - (b) ISO9000
  - (c) Quality Circles. [6+6+4]
2. Explain different mechanical clamping system used in Fixtures. [16]
3. What are considerations of various sheet metal allowances and justify why? [16]
4. What are the factors which govern the selection of a proper material for pattern making? [16]
5.
  - (a) What is meant by weldability?
  - (b) What are the various characteristics of welding process? [8+8]
6.
  - (a) Discuss the materials for flame and induction hardening.
  - (b) What are the advantages of Flame and induction hardening? [8+8]
7.
  - (a) Explain, how tool shape is reproduced in Electrical Discharge Machining.
  - (b) Discuss the applications of Electrical Discharge Machining. [8+8]
8. Describe the following with neat sketches.
  - (a) crank and slotted link mechanism
  - (b) Whitworth quick return mechanism. [8+8]

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