

Code No: 07A42102

R07

Set No. 3

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**

1. Explain the necessity of changing speed of the work to suit different machining conditions. [16]
2. What is the cardinal principle employed in precision investment casting? [16]
3. (a) Why is most electron beam welding done in vacuum?
(b) What means are used to focus the electron beam? [8+8]
4. Explain different Statistical Quality Control Techniques. [16]
5. (a) Discuss the advantages of Electro-Chemical Machining?
(b) What are the electrolytes used in Electro-Chemical Machining for Machining different materials? [8+8]
6. (a) Discuss the process of anodizing of Aluminium alloys.
(b) Discuss the corrosion preventing methods of steel. [8+8]
7. Explain 3-2-1 location Principle with neat figures. [16]
8. Explain various types of drawing dies with neat sketches in sheet metal work. [16]
