

MAY 2004

2004 MAHARSHI DAYANAND UNIVERSITY  
B.E/ B.TECH I SEMESTER REGULAR EXAMINATION  
COMPUTER SCIENCE ENGINEERING  
MANUFACTURING PROCESSES

TIME : 3 HOUR  
MARK : 80

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ANSWER ANY FIVE QUESTIONS ALL QUESTIONS CARRY EQUAL MARKS

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1. (a) What is an Accident? What are the common causes of any accidents?  
(b) Write short note on First Aid.
2. Write a short notes on the following:
  - (a) Grey Cast iron
  - (b) White cast iron
  - (c) Malleable cast iron
  - (d) Nodular cast iron
  - (e) Alloy cast iron
3. Describe the following with the help of suitable sketches:
  - (a) Rolling
  - (b) Extrusion
  - (c) Blanking
  - (d) Piercing
4. (a) Describe moulding and constituents.  
(b) Explain the effects of various additives used in moulding sand.  
(c) Write a short note on casting defect
5. (a) With the help of neat sketch, show the various parts of planner machine.  
(b) Differentiate between shaper and slotter.
6. (a) Explain resistance welding in details.  
(b) With the help of a chart, show the classification of welding processes?
7. (a) What general considerations are made in preparation of the layout of an industrial concern?  
(b) Compare process layout with a line layout.
8. Write short notes on the following:
  - (a) Basic steps in casting
  - (b) Tube extrusion
  - (c) Tool wear
  - (d) Welding defects