

Code No: 153BR

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year I Semester Examinations, March - 2022

PRODUCTION TECHNOLOGY

(Mechanical Engineering)

Time: 3 Hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

- 1.a) Which type of Casting produce Precise Products? Explain in detail.
b) What are the requisite properties of the moulding sand? [8+7]
- 2.a) Describe about Caine's Method in detail.
b) Explain the constructional features of methods of mold making. [8+7]
- 3.a) What properties are required for the electrode in welding process?
b) Explain principle behind the Resistance welding with help of a diagram. [7+8]
- 4.a) Elaborate the working principle of thermit welding in detail.
b) Describe Submerged Arc Welding and its applications. [8+7]
- 5.a) Explain MIG welding with a diagram.
b) Define Weldability and explain the factors affecting Weldability. [8+7]
- 6.a) Discuss Explosive Welding and its Applications.
b) What are the causes and remedies involved in Welding Defects? [7+8]
- 7.a) Explain about Tube Drawing Operation with sketches.
b) Explain in detail about Stamping, Blanking and Piercing. [7+8]
- 8.a) Explain the principles of different types of forging operation.
b) What are the features of Electro Magnetic forming? Explain with suitable sketches. [8+7]

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