

R18

Code No: 153BR

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. [8+7]
b) What are the requisite properties of the moulding sand?

2.a) Describe about Caine's Method in detail. [8+7]
b) Explain the constructional features of methods of mold making.

3.a) What properties are required for the electrode in welding process? [7+8]
b) Explain principle behind the Resistance welding with help of a diagram.

4.a) Elaborate the working principle of thermit welding in detail. [8+7]
b) Describe Submerged Arc Welding and its applications.

5.a) Explain MIG welding with a diagram. [8+7]
b) Define Weldability and explain the factors affecting Weldability.

6.a) Discuss Explosive Welding and its Applications. [7+8]
b) What are the causes and remedies involved in Welding Defects?

7.a) Explain about Tube Drawing Operation with sketches. [7+8]
b) Explain in detail about Stamping, Blanking and Piercing.

8.a) Explain the principles of different types of forging operation. [8+7]
b) What are the features of Electro Magnetic forming? Explain with suitable sketches.

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