

Total No. of Printed Pages:2

SUBJECT CODE NO:- H-394
FACULTY OF SCIENCE AND TECHNOLOGY
S.E. (Mechanical)
Production Processes
(REVISED)

[Time: Three Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

N.B Solve any THREE from questions 1 to 5 & 6 to 10

Section A

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|-----|--|----|
| Q.1 | (a) What is selection criteria for pattern? State pattern making materials? | 07 |
| | (b) Explain steps involved in preparation of moulding sand. | 06 |
| Q.2 | (a) Describe Investment casting with neat sketch. | 07 |
| | (b) How sand testing methods are used? | 07 |
| Q.3 | (a) Brief about pattern allowances | 06 |
| | (b) What is hot working of metals? Brief about forging. | 07 |
| Q.4 | (a) Explain closed Die & Open Die forging. | 06 |
| | (b) What is extrusion? What types of extrusion processes are possible & how? | 07 |
| Q.5 | Write a note on | |
| | (i) Power presses in sheet metals. | 04 |
| | (ii) Dies used in sheet metals. | 05 |
| | (iii) Hemming & Flanging. | 04 |

Section B

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|-----|---|----|
| Q.6 | (a) Give Broad classification of joining processes and explain Gas welding. | 07 |
| | (b) Describe about plasma Arc Welding. | 06 |
| Q.7 | (a) Why Electron Beam Welding is required & how to process it. | 07 |
| | (b) How & Why resistance welding is used? | 07 |
| Q.8 | (a) What are different welding defect & How welds can be tested. | 07 |
| | (b) Describe submerged Arc Welding. | 06 |
| Q.9 | (a) How Blow moulding is used for making bottles. | 07 |
| | (b) What is compression moulding? Explain with neat sketch. | 06 |

Q.10

Write short note on

- (a) Anodizing
- (b) Galvanizing
- (c) Electroplating

04

04

05