

248

Register No.:

April 2024

Time – Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART – A

1. What is meant by perforating?
2. Define tonnage of a press.
3. What is a de-coiler?
4. List the types of stock stop.
5. What is meant by spring back?
6. Write about embossing operation.
7. What are the variables in drawing?
8. Write the causes for wrinkling.
9. What is the function of V ring?
10. List the types of tool failures.

PART – B

11. (a) Explain with neat sketch press actuating mechanisms.
(Or)
(b) Explain in detail dish distortion and spacing distortion.
12. (a) What are the different transfer mechanisms? Explain in detail.
(Or)
(b) Explain in detail commercially available die components.
13. (a) Explain in detail bending theory with various nomenclatures.
(Or)
(b) Explain the following operations.
(i) Coining (4) (ii) Burnishing (4) (iii) Crimping (3) (iv) Ironing (3)
14. (a) Explain in detail the stages of drawing.
(Or)
(b) Explain the construction and working principle of shear form dies.
15. (a) Explain the concept, need and advantages of Single Minute Exchange of Dies (SMED).
(Or)
(b) Explain in detail the causes of die failure and types.
