

- Q.26 Explain forward extrusion method with diagram
- Q.27 What are the recent trends in rolling?
- Q.28 Explain the importance of press forming in future manufacturing
- Q.29 What are various quenching methods and techniques?
- Q.30 What are the general defects in rolling?
- Q.31 Write a short note on future of metal forming.
- Q.32 Explain the defects and remedies of wire drawing.
- Q.33 Describe preparation of perform for press working.
- Q.34 Write short note on heat treatment in rolling.
- Q.35 What are various types of forging?

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain different heat treatment processes done in forging process.
- Q.37 Describe different extrusion process with neat sketches.
- Q.38 Show various diagrams describing the methods to overcome defect in press forming.

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**Mech. Engg. (Fabrication Tech)
Subject:- Fabrication Processes - 2**

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which of the following is not a press work?
 a) Hand press b) Power press
 c) Kinetic press d) Hydraulic press
- Q.2 Which of the following is used for press _____
 a) Punch b) Pin
 c) Extruder d) Vehicle
- Q.3 _____ is not a defect of sheet metal forming
 a) Tearing b) Wrinkling
 c) Neckling d) Winding
- Q.4 _____ is not a common Rolling defect
 a) Edge cracks b) Zipper crack
 c) Alligatoring d) Cold rolling
- Q.5 Which is not a defect in Extrusion?
 a) Trapped air b) Surging

- c) Contamination d) High density
- Q.6** Forging is used for _____
 a) Producing critical aircrafts parts
 b) Transportation equipment
 c) Both (a) and (b)
 d) None of the above
- Q.7** In extrusion, the material undergoes _____ deformation
 a) Plastic b) Elastic
 c) Liquidity d) Solidity
- Q.8** _____ is not a heat treatment process
 a) Annealing b) Quenching
 c) Normalizing d) Forging
- Q.9** Heat treatment to forged parts is needed to _____
 a) Bring uniformity in structure
 b) Make it accurate
 c) Make it shiny
 d) Make it heavier
- Q.10** Normalising is cooling at a _____ rate than annealing.
 a) Faster b) slower
 c) Same d) None of the above

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11** Press work is a method to form sheet metal into various shapes by using _____
- Q.12** In hot forging metal is heated to a desired _____
- Q.13** Name any two defect in rolling
- Q.14** Name two methods to overcome defects in extrusion
- Q.15** Define forging
- Q.16** Name any one recent trends in wire drawing method
- Q.17** Annealing the heating and then cooling the metal at _____.
- Q.18** Heat treatment aims at _____
- Q.19** Define Mandrel.
- Q.20** Helmets are not made from extrusion (True/False)

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21** Describe forging and its advantages
- Q.22** Explain heat treatment and give its types.
- Q.23** Explain the wire drawing process with its diagram.
- Q.24** Write the procedural steps on forming in press work.
- Q.25** What are the general defects in metal forming?