

6. In deep drawing of sheets, the value of limiting draw ratio depends on
- (a) % elongation of sheet metal
 - (b) Yield strength of the sheet metal
 - (c) Type of press used
 - (d) Thickness of the sheet
7. Annealing leads to
- (a) Relieve internal stress
 - (b) Improve surface finish
 - (c) Improve hardness
 - (d) Improve strength
8. Metal extrusion process is generally used for producing
- (a) Uniform solid sections
 - (b) Uniform hollow sections
 - (c) Uniform solid and hollow sections
 - (d) Varying solid and hollow sections
9. Plasticizer used for
- (a) To improve the viscosity of polymer
 - (b) To enhance the colour
 - (c) To enhance the polymerization
 - (d) To improve strength
10. Parison is the term used in
- (a) Injection moulding
 - (b) Shell moulding
 - (c) Compression moulding
 - (d) Blow moulding

PART - B (5 x 2 = 10 Marks)

11. What are the causes for the formation of blow holes in the sand casting?
12. How does brazing differ from braze welding?
13. What is meant by fullering?
14. Give the difference between punching and blanking.
15. What is film blowing?

PART - C (5 x 16 = 80 Marks)

16. (a) Explain the steps required to carry out green sand moulding. (16)

Or

(b) Illustrate about the lost wax method of moulding to cast quality product. Also state their advantages and disadvantages. (16)

17. (a) Explain the TIG welding process. Give its application. (16)

Or

(b) Explain the principle of thermit welding with a neat sketch. Also mention its advantages, disadvantages and applications. (16)

18. (a) List out various extruding operations to make hollow tubes with necessary sketches. (16)

Or

(b) Enumerate the various hammers used for forging operations. (16)

19. (a) Describe shearing operation in a sheet metal work with a neat sketch. (16)

Or

(b) Explain super plasticity forming and its types with neat sketch. (16)

20. (a) Give the schematic illustration of the explosive forming process and list its applications. (16)

Or

(b) Choose the suitable processes for making for advertisement panel, cookies trays and packing materials of thermoplastic sheets. (16)

