



- Q.5 \_\_\_\_\_ are the curved parts where two surface would normally join together at a sharp angle
- a) Rib                                      b) Web  
c) Fillet                                      d) None of the above
- Q.6 The relation between weight and volume is= \_\_\_\_\_
- a) Weight / volume = density  
b) Weight / volume = weight density  
c) Weight / volume = mass density  
d) Both a and c
- Q.7 In \_\_\_\_\_ die casting, the molten metal is poured directly into a semi-permanent or permanent die.
- a) Open                                      b) Gravity  
c) Ladle                                      d) Pressure
- Q.8 \_\_\_\_\_ is a thin internal members usually perpendicular to the web, projection
- a) Web                                      b) Rib  
c) Wall                                      d) Boss
- Q.9 \_\_\_\_\_ is a long, shaped bar of metal used as raw material for forging.
- a) Ingot                                      b) Billet  
c) Angle                                      d) Rib
- Q.10 Which type of forging is also known as "Heading"?
- a) Upset                                      b) Open die  
c) Closed die                                      d) Pressure

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## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 \_\_\_\_\_ a manufacturing process which involves the shaping of metal using localized impact / compressive forces.
- Q.12 The forging tool, used to spread the metal is called \_\_\_\_\_
- Q.13 The function of \_\_\_\_\_ is to enable the forming of complex shape to be finished to approximate intermediate shape.
- Q.14 Function of bender in forging is to \_\_\_\_\_
- Q.15 Heating the material and creating bulb at one end of the material is known as \_\_\_\_\_
- Q.16 Plastic deformation of a metal by the application of a force causing that material to flow through an orifice or die is called \_\_\_\_\_
- Q.17 The thin section of metal remaining at bottom of a cavity or depression in a forging are known as \_\_\_\_\_
- Q.18 To cut off the flash, the part of the raw material which flowed around the part during forging is known as \_\_\_\_\_
- Q.19 The SI unit for measuring Volume is \_\_\_\_\_
- Q.20 The imitation of any real world process on computers is known as \_\_\_\_\_

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Explain the principle of metal flow in press forging.
- Q.22 Describe various main parts of forging press.

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