

- Q.13 What is brazing?
- Q.14 Write about the Cutting and shearing tools used in sheet metal working.
- Q.15 Write about the various defects occurring in brazing process and their remedies.
- Q.16 Give the comparison of riveting with welding as joining method.
- Q.17 How painting is useful in protection of fabricated structure from weather?
- Q.18 Name the steps involved in making a casting.

#### **SECTION-D**

**Note:** Long answer type questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Write detailed note tools and equipments used in green sand moulding.
- Q.20 Write about working of pneumatic, hydraulic and electric riveter.

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**Level 4 / 1st. Sem. / DVOC  
Auto Servicing, ITM, PT, AMT  
Subject : Manufacturing Technology-I**

Time : 2 Hrs.

M.M. : 50

#### **SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (5x1=5)

- Q.1 Clamping vice is used for
- a) Sawing
  - b) Joining
  - c) Cutting
  - d) All of the above
- Q.2 For producing holes in red hot metal, which instrument do you need?
- a) Chisel
  - b) Fullers
  - c) Tongs
  - d) Punches
- Q.3 What is the supporting tool used in sheet metal work to bend, seam and form?
- a) Anvil
  - b) Work Bench
  - c) Bench vice
  - d) Wooden formers

Q.4 The distance between the edge of plate and the centerline of rivets in the nearest row is called

- a) Pitch
- b) Margin
- c) Transverse pitch
- d) Diagonal pitch

Q.5 French polish is made by dissolving the resin in

- a) Oil
- b) Water
- c) Spirit
- d) Turpentine

### SECTION-B

**Note:** Objective type questions. All questions are compulsory. (5x1=5)

Q.6 \_\_\_\_\_ are used in case of Mortise and Tenon joints

- a) Bolts
- b) Nuts
- c) Wedges
- d) Spikes

Q.7 What is the name of striking portion of hammer?

- a) Face
- b) Pein
- c) Cheek
- d) Handle

Q.8 Which of the following is an example of fusion welding?

- a) Thermit welding with pressure
- b) Forge welding
- c) Resistance welding
- d) Arc welding

Q.9 In resistance welding, two electrodes are made of

- a) Aluminium
- b) Copper
- c) Iron
- d) Bronze

Q.10 The foundry processes make Majority parts in transportation vehicles.

- a) True
- b) False

### SECTION-C

**Note:** Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

Q.11 Write a short note on Holding and supporting tools used in carpentry.

Q.12 How mortise joints is prepared?