

or stiffener.

OR

- Q.3** (a) Enlist factors affecting sheet metal parts and joints design. **03**
- (b) Explain riveting process shortly. **04**
- (c) Explain any one bench mounted sheet metal sheering machine with neat sketch. **07**
- Q.4** (a) Discuss types of steel tubes using for aircraft construction. **03**
- (b) How will you inspect welded steel tube fuselage structure in case of hard landing takes place? **04**
- (c) Draw and explain any three types of junctions of welded steel tube fuselage construction having gussets. **07**

OR

- Q.4** (a) Explain soldering process. **03**
- (b) Explain brazing process. **04**
- (c) How will you construct aluminum tubing wing rib using gussets, tubes, and rivets? **07**
- Q.5** (a) Only draw jig of a truss type wooden wing rib structure. **03**
- (b) Shortly explain equipments used for painting on fabric covering. **04**
- (c) How will you paint aircraft having semi monocoque fuselage fabricated with 2024-T3 Aluminum alloy? **07**

OR

- Q.5** (a) Only draw layout of structure of a sheet metal wing rib wing. **03**
- (b) How will you text aircraft registration on fabric covered fuselage? **04**
- (c) How will you cover and reinforce a wooden wing with fabric covering? **07**
