



Answer all the following questions:

Question 1 :-

- When discussing welding tools , what do the term Jig and fixture mean ?
- Write and discuss on short notes the features of Jigs and fixtures in the ECM and the EDM processes.
- Discuss the advantages of Jigs and fixtures .

Mention the advantages and disadvantages of conical tools.

Sketch and mention the different applications of turning fixtures.

Question 2 :-

- A) Design and draw a suitable Jig to make a hole (10mm) as shown in Fig.1 .
- B) Design a milling fixture to make a slot of (10 x 10 mm) as shown in fig.2.
- C) Design a drill Jig to make a hole of (10mm) as shown in fig.3. and mention the part list.

N.B

- Assume any missing data suitably wherever it is necessary.
- Assume that the required in A ,B and C is the last operation to be performed .

