

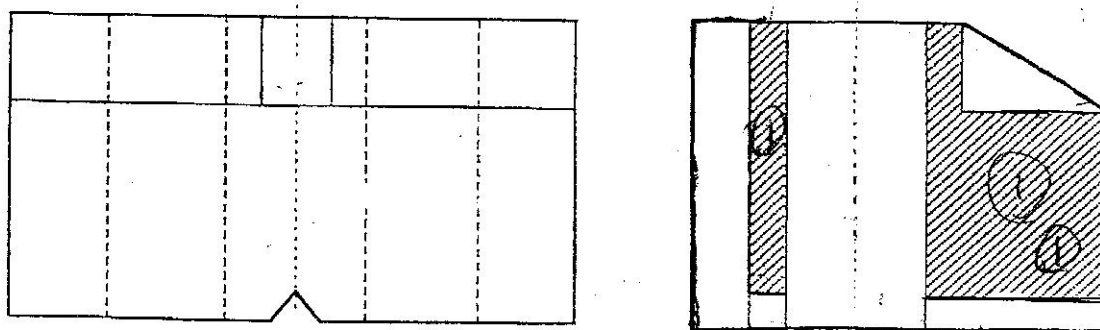
This was a compulsory question in which candidates were required to draw front elevation and a sectional end elevation of a bracket which was given in isometric projection.

Weakness

Most of the candidates were able to draw the front elevation correctly showing all the faces and hidden details as required in part (a). In part (b) however, the sectioned end elevation was incorrectly drawn by the majority of the candidates.

Wrong faces were presented while very many candidates drew the hole without the centre line. Most of the candidates did not know how and where to hatch the sectioned parts and some hatched even the web which is conventionally not hatched.

Expected Response



21.2 PAPER 2 (447/2)

This paper comprised 10 equally weighted exercises which the candidates were expected carryout. Some of the exercises were marked on the spot by the examiner while others required the candidates to record their answers to be marked later. Statistics for this subject show this papers' performance improved above that of the previous year. The following weaknesses were noted:-

- In Question 1, candidates were given a spark plug and they were expected to sketch in good proportion a longitudinal sectional view of the unit and label six parts. Most candidates were unable to come up with a good sectional drawing of the spark plug.
- In Question 2, candidates were given tools and materials to make a model of a square spigot as drawn. Candidates were unable to mark out, cut and file the square spigot to required measurement accurately within the given time.
- In question 7(b) candidates were given an inlet valve and measuring tools and they were expected to measure the stem outer diameter using a micrometer and the spring free length using a vernier calipers. Candidates were unable to take the two measurements correctly.