

Generally speaking, all questions were answered well.

QUESTION 1: POINTS AND LINES

Question 1.1: This question was answered reasonably well, but the true angle w.r.t. the horizontal plane was wrongly drawn.

Question 1.2: Candidates had problems with the determination of the horizontal trace.

Question 1.3: This question was fairly well answered. Some candidates could not identify the true length.

Question 1.4: The determination of the true angle with respect to the horizontal plane was problematic for some candidates.

QUESTION 2 INTERPENETRATION OF A LINE SEGMENT AND PLANE FIGURES

This question was fairly well answered. Some candidates found it difficult to differentiate between the true angle with respect to the horizontal plane and vertical plane. The visibility of the line segment was also problematic.

QUESTION 3: SOLID ABOVE THE OBLIQUE PLANE.

This question was answered poorly. Most of the candidates did not change the oblique plane to an inclined plane (Question 3.1 – basic concept). Candidates did not make use of the given information – the front view of side AB. Most candidates drew a pyramid instead of a prism. Only a few candidates could draw the auxiliary view and the true shape (hexagon).

QUESTION 4 INTERPENETRATION OF TWO GEOMETRICAL SOLIDS AND DEVELOPMENT

Generally speaking, the determination of the completed auxiliary view and the interpenetration was well answered. The determination of the true shape of the penetration in the given development was poorly answered.

QUESTION 5 LOCI

Not all candidates could answer this question. The division of the cord AB and the circle was not done by the candidates (basic concepts). The determination of loci points (5.1) and (5.2) was sometimes substituted with another loci (e.g. cycloid)

QUESTION 6 CAM PROFILE

This question was answered very well. Some candidates misinterpreted the direction of rotation and that of the profile.