

GEOMETRICAL AND MECHANICAL/BUILDING DRAWING

SUBJECT 9196 – JUNE 2011

PAPER 2

GENERAL COMMENTS

Most candidates performed fairly well. It was noted that the majority of the candidates were able to attempt all sections of the paper. However, marks were lost due to draughtsmanship which is not up to expected levels. Candidates were failing to make use of the correct conventions for lines, e.g. centre line, dimensions and hexagonal socket screws. Some candidates also lost marks through the use of mixed projections. This was due to candidates failure to interpret the given views and projections.

QUESTION 1

- (a) Majority of candidates failed to project the correct view of the assembled structure. However, candidates managed to score high marks for they were able to section the constituents correctly.
- (b) The question was popular with most candidates. The majority of those who attempted the question produced good answers. Some candidates failed to project the required views ending up having mixed projections or having wrong views. The question asked for a half section and some candidates failed to produce the half section.

QUESTION 2

Most candidates attempted this question. The solutions produced were appropriate. Candidates had problems in showing the dimensions correctly. No machining symbols were shown hence there was no information on how the component was to be produced. On method of attachment, candidates indicated fully on how the designs were to be attached.

DESIGN FACTORS

Candidates were able to come up with appropriate designs for seals, covers and locking devices. However, the majority of the candidates were not able to use the correct conventions especially on seals, keys, keyways and keysets.