

TECHNICAL GRAPHICS

7049

PAPER 3

GENERAL COMMENTS

The number of candidates who sat for this option was lower as compared to the previous year. Candidates performed fairly well, with about 70% of the candidates scoring above 50%. The paper was generally fair and tested various skills which are wide ranging. Line work and draughtsmanship was excellent in some cases while in a few cases it was poor.

COMMENTS ON INDIVIDUAL QUESTIONS

QUESTION 1

Very popular question and fairly well done. A number of candidates omitted the verandah in their solutions.

QUESTION 2

Popular question, however most of the candidates did not do well.

QUESTION 3

Popular with candidates, however some candidates drew the correct conventions but labelled them wrongly. Generally some candidates performed well on this question.

QUESTION 4

This question was not very popular. The few candidates who attempted it did not do well.

QUESTION 5

Popular question, candidates presented their solutions in either pictorial or orthographic (sectional view). Those who used pictorial drawings had problems in showing/identifying some details like the dpc.

QUESTION 6

Not a popular question, and the few who attempted it performed badly. Some candidates had problems in converting mm^2 to m^2 . There was no clear cut method to answer this question. Candidates used different approaches to determine the total surface area.

QUESTION 7

Very popular question. Very few candidates were able to position the switch and power point correctly. Sanitary fittings were correctly positioned.

QUESTION 8

This was not a popular question, and the few candidates who attempted it did not do very well.

QUESTION 9 (SECTION B)

Generally candidates did well in this section.

- (a) The floor plan was drawn by most candidates. A few candidates did not draw the proper wall thickness. The roof plan was not indicated by most candidates. Some of the candidates were not able to show the correct conventions for doors and windows. Dimensioning was also not done by some candidates and some rooms were not labelled.
- (b) This part of the question was fairly well done. Most of the candidates did not show how the height of the roof was obtained. Most solutions also omitted the finished floor level. (ffl)
- (c) About half of the candidates used the correct scale. Correct wall convention was used. Foundations were not fully annotated and in some cases, thickness of the roofing did not match the wall thickness. Position of the hard core and concrete screed were mixed up in some cases. Details of the roof were shown in most cases but some candidates did not show them conventionally. Most candidates ignored specifications on the pitch.