# GEOMETRICAL AND BUILDING DRAWING 

(Maximum Marks: 100)
(Time allowed: Three hours)
(Candidates are allowed additional 15 minutes for only reading the paper.
They must NOT start writing during this time.)

Answer all questions.
The intended marks for questions are given in brackets [ ].

## Read carefully the following notes before commencing:

(i) All dimensions are in millimetres.
(ii) Drafting should be accurate, neat and clear.
(iii) The drawing must be done in pencil, clearly dimensioned and annotated.
(iv) Wherever dimensions are not given, adopt suitable dimensions.
(v) Write your unique identification number (UID) and index number at the bottom righthand corner of your paper.

## Question 1

Draw free-hand sketches to illustrate the following terms and give definitions:
(a) Queen closer
(b) Perpend
(c) Frog
(d) Stretchers
(e) Quoin
(f) Lap

## Question 2

Differentiate between the following, with the help of sketches:
(a) Corner window and Bay window.
(b) Dormer window and Gable window.
(c) Fixed window and Pivoted window.

## Question 30

Draw to a scale of $1: 25$, the Plan, Elevation and Section of a door $2 / 3$ glazed and $1 / 3$ panelled to fit in an opening $1000 \mathrm{~mm} \times 2100 \mathrm{~mm}$. Assume all necessary and reasonable particulars. Show details of any one of the carpentry joints.

