SLIATE

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SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

Higher National Diploma in Building Services Engineering

Second Year, Second Semester Examination - 2016

BSE2208- CAD Applications I

Instructions for Candidates:
Check the possibility of saving your file before start modeling. **Save all files on desktop with your index number** in specific time interval to prevent data loss in case of power failure.

No. of pages: 02
No. of questions: 01
Time: Three (02) Hours

1. Create the drawing shown in **Figure A** using AutoCAD software. Some of the reference dimensions are given in the drawing. Assume the missing dimensions so that the drawing look similar.

   (a) Draw the foundation and walls   (30 Marks)

   (b) Create different layers for foundation, walls, dimensions, text, doors, windows and accessories.   (20 Marks)

   (c) Hatch the foundation   (10 Marks)

   (d) Draw the doors and Windows suitable way.   (20 Marks)

   (e) Insert the interior components shown in the Figure 1   (15 Marks)

   (f) Type your index number at the top of drawing and plot it using PDF or JPG plotter for A4 paper.   (05 Marks)

Figure A

STORAGE
2'-6" x 5'-4"

WAITING ROOM
20'-5" x 8'-1"

RECEPTION
12'-0" x 8'-11"

OFFICE 4
13'-0" x 8'-11"

DARKROOM
6'-0" x 4'-7"

OFFICE 1
10'-0" x 8'-0"

OFFICE 2
10'-11" x 8'-8"

X-RAY
8'-1" x 8'-8"

OFFICE 3
10'-11" x 8'-8"

BATH
7'-8" x 8'-8"

HALL
42'-8" x 3'-11"

23'-7 1/2"

50'-0"