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320414 (20)

BE (4th Semester)

Examination, April-May 2021

Branch : Civil

CIVIL ENGINEERING DRAWING

Time Allowed : Four Hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all question. All questions carry equal marks. Part (a) is compulsory in each question and attempt any one part from rest two parts.

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(2)

UNIT - I

Q. 1. (a) Define sanitation. 2

(b) Write short notes on : 14

(i) Aspects

(ii) Prospects

(iii) Circulation

(iv) Grouping

(v) Elegance

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(3)

(vi) Privacy

(vii) Flexibility.

(c) Explain site selection and requirements of

Hostel building with line plan. **14**

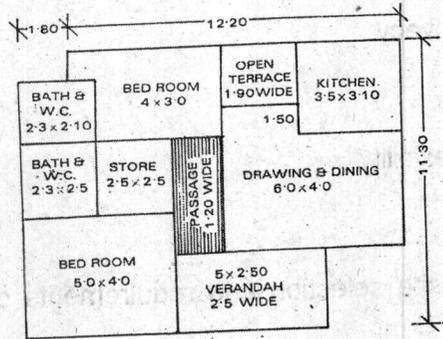
UNIT - II

Q. 2. (a) Differentiate between plan and line
plan. **2**

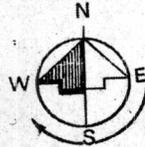
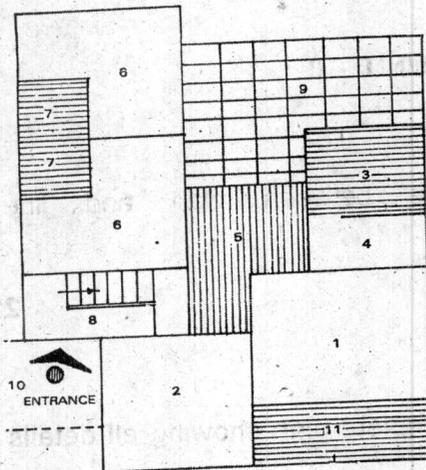
(b) Draw a complete plan showing all details
for a building which line plan is given in

Fig. 1. **14**

(4)



Take height of roof u.o.m.



REFERENCE

1	DRAWING AND DINING	= 6.00 x 4.50m
2	STUDY	= 5.00 x 4.50m
3	KITCHEN	= 4.50 x 3.00m
4	PANTRY	= 4.5 x 1.80m
5	VERANDAH	= 3.00m WIDE
6	BED ROOM	= 5.50 x 4.50m
7	BATH AND W.C.	= 2.50 x 2.00m
8	STAIR CASE	= 5.50 x 2.20m
9	OPEN TERRACE	= 3.00m WIDE
10	PORCH	= 5.50 x 3.00m
11	FRONT VERANDAH	= 2.00m WIDE

ASSUME ANY MISSING DATA

LINE PLAN
SCALE=1:100

RESIDENTIAL BUILDING

FIGURE 1

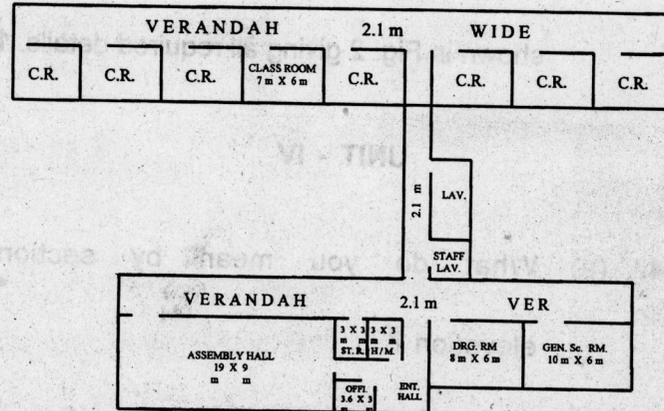
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(5)

- (c) Draw a complete plan showing all details for a building which line plan is given in

Fig. 2

14



Assume height of roof = 4.0m.

MIDDLE SCHOOL

Figure No. 2

UNIT - III

- Q. 3. (a) What do you mean by front elevation of building?

2

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(6)

(b) Draw complete front elevation of a building showing in Fig. 1 giving all details. **14**

(c) Draw complete front elevation of a building shown in Fig. 2 giving all required details. **14**

UNIT - IV

Q. 4. (a) What do you mean by sectional elevation? **2**

(b) Draw complete sectional elevation of a building shown in Fig. 1 showing maximum details. **14**

(c) Draw complete sectional elevation of a building shown in Fig. 2 showing maximum details. **14**

(7)

UNIT - V

Q. 5. (a) List elements of perspective drawing
any 5. **2**

(b) Draw plan, elevation and side sectional
elevation of panelled shutter. **14**

(c) Draw plan, elevation and side sectional
elevation of half glazed and half panelled
windows. **14**

