T.E. Civil V CBGS

BDD-II

11.12.15

150

QP Code : 5719

(4 Hours) [Total Marks: 80

N.B : (1) Question No.1 is compulsory
(2) Answer any three (3) questions from the remaining questions
(3) All questions carry equal marks

1. It is proposed to construct a (G+1) storied **Post-Office** building in Urban area. It is a R.C.C framed structure and Floor to Floor height is assumed as 3.3 m. Following are the facilities to be provided in the proposed Post-Office.

Facilities (on **Ground Floor**)		**Carpet Area**
(i)	Entrance & Reception	40 Sq.m.
(ii)	COUNTERS (6 No.)	40 Sq.m. (total area)
(iii)	SORTING ROOM	30 Sq.m.
(iv)	Post-Master's Cabin	20 Sq.m.
(v)	Cashier's Room	20 Sq.m.
(vi)	Parcel Section	30 Sq.m.
(vii)	Store Room	20 Sq.m.
(viii)	Dining Area	20 Sq.m.

Provide adequate Passages, Staircases, Lift, Common Toilets etc. as per the bye-laws.

First Floor is provided for Residential accommodation for Post-Master's family with the following facilities:

(i) Living Room
(ii) Master's Bed Room (with A.T)
(iii) Bed Room
(iv) Guest Room
(v) Kitchen-cum-Dining
(vi) Drawing Room

Provide Carpet area for the above rooms as per the bye-laws for Residential purpose.

Draw the following according to some suitable scale. 7

(a) GROUND FLOOR PLAN 15
(b) Line Plan of First Floor 5

[TURN OVER

150

T.E Civil V CBGS

BDD - II

11.12.15

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2. Draw the SECTIONAL ELEVATION (from Foundation to Top Floor level) for the building you have planned in Question No.1 **20**

3. Draw the ONE-POINT PERSPECTIVE for the building, you have planned in Q.No.1.(G+1 storied building). Assume Eye-Level at 2.0 m. from Ground Level. Draw the perspectives for Doors, Windows, Steps, Chajja Projections also. **20**

4. (a) Draw the TWO-POINT PERSPECTIVE for a WORKSHOP with a Pitched Roof for the following data :-

SIZE OF WORKSHOP	=	35 m.x 15 m.
Height of WORKSHOP (excluding pitched roof)	=	4.0 m.
Eye-Level from Ground Level	=	2.0 m.
Plinth Level	=	0.6 m.

Draw the perspectives for Doors, Windows, Steps, Chajja Projections also. **15**

(b)Write notes on "Principles of Modular Planning" **5**

5. (a) Draw the detailed FOUNDATION PLAN and Section of any two different footings for the building you have planned in Question No.1 **12**

(b) Write detailed notes on "Principles of Town Planning" with neat sketches wherever Necessary. **8**

6. (a) Draw the TWO-POINT PERSPECTIVE for a HALL with following data:

Size of Hall	= 40 m.x 18 m.
Floor to Floor Height	= **4.0 m.**
Plinth Height	= 0.6 m.
Eye-Level	= **10.0 m.** from Gound Level

Draw the perspectives for Doors, Windows, Steps, Chajja Projections also. **12**

(b)Write short notes on the following :

(v) GREEN BUILDINGS **4**

(vi) Slum Clearance & Re-development **4**