BUILDING DRAWINGS

Time : 3.00 Hours] **[Maximum Marks : 60**

NOTES :

i) Attempt three questions in all including questions no.1 which is compulsory

ii) Students are advised to specially check the Numerical Data of question paper in both versions. If there is any difference in Hindi Translation of any question, the students should answer the question according to the English version.

iii) Use of Pager and Mobile Phone by the students is not allowed.

Q1) Draw a detailed : **[10+10+10=30]**

a) Double line plan

b) Section along 'XYZ' and,

c) Section along 'AB' as shown below in the figure.

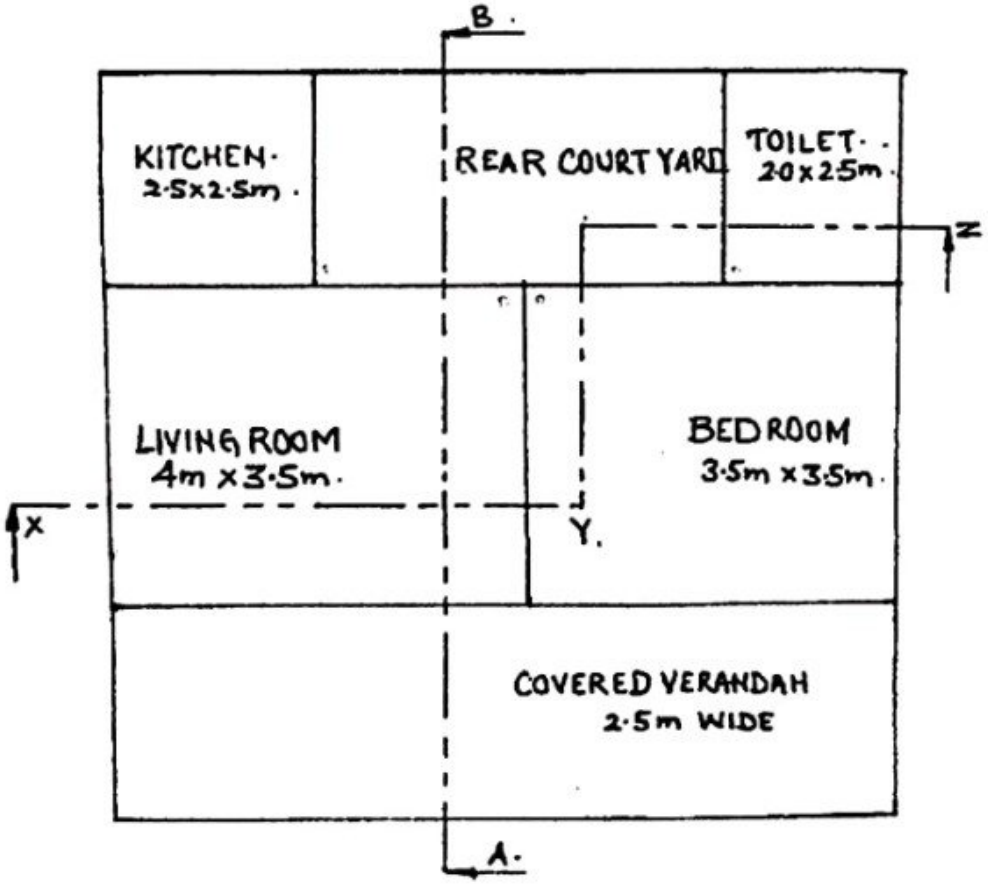
With following details (Provide Sufficient number of DOORS and Windows)

Data : All walls to be 200mm thick. Foundation to be 1000mm deep and 1000mm wide.

Ceiling height of rooms are 3000mm

Plinth height = 450mm

Assume rest of details



Q2) Draw to a suitable scale plan and elevation of a T-junction one brick wall with two brick wall in English bond showing atleast two consecutive courses. **[15]**

Q3) Draw to a suitable scale, showing [illegible]
thumb rule for finding dimensions for foundation. [15]

Q4) Draw to suitable scale plan of a dog legged staircase with the following details. [15]

a) Staircase room = 3.3m×5m×3.6m height

b) Tread = 270mm,

c) Riser = 150mm

d) No. of steps in each flight = 11Nos.

c) Width of steps = 1.5m

Q5) Draw sectional plan and elevation of panelled and glazed door of a residential building. Size of door may be assumed as 1.2m × 2.1m. [15]

(हिन्दी अनुवाद)

नोट : किन्हीं तीन प्रश्नों के उत्तर दीजिए। प्रश्न क्रं. 1 अनिवार्य है।

प्र.1) चित्र में दर्शाए अनुसार विस्तृत: [10+10+10=30]

अ) द्विरेखीय प्लान बनाएँ, रेखा

ब) 'XYZ' और

स) 'AB' पर सैक्शन बनाएँ,

(दरवाजों और खिडकियों की प्रर्याप्त संख्या का भी प्रावधान करें।)

आप निम्नलिखित आँकड़े मान सकते है: सभी दीवारें 200 मिमी मोटी है। नीव की गहराई तथा चौड़ाई 1000 मिमी है।

सभी कमरो की छत की ऊँचाई 3000 मिमी है।

प्लिंथ की ऊँचाई 450 मिमी है।

शेष आँकड़े सुविधानुसार मान लें।