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Code No: CE1507

GEC-R14

II B. Tech I Semester Regular / Suppl. Examinations, November 2017

BUILDING PLANNING & DRAWING

(Civil Engineering)

Time: 3 Hours

Max. Marks: 60

Note: Answer Any 3 Questions from PART-A. Answer One Question from PART-B.

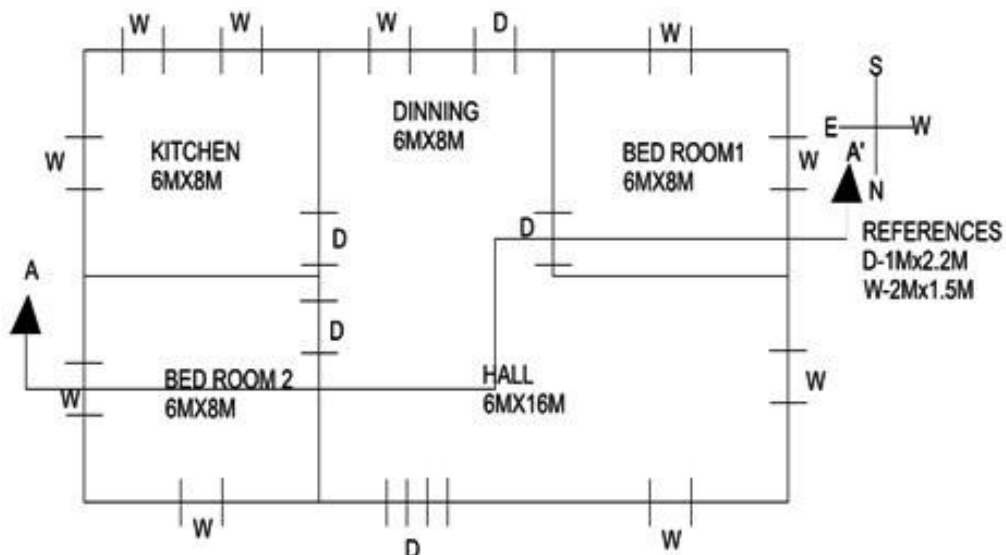
PART-A $3 \times 12 = 36M$

1. Explain the regulations regarding layouts as per NBC and Rules for Special types of buildings in construction. (12M)
2. a) What building regulations help in achieving good lighting and ventilation in the buildings? Explain them. (6M)
b) What are the requirements for front, back and side set backs for different types and heights of buildings in a plot? Explain in detail. (6M)
2. Write the guide lines of planning for different types of residential buildings. (12M)
3. A hospital building at a site measuring 300m x 450m. The longer dimension is from north to south direction the main road is along the eastern side. Draw the floor plan with the wall thicknesses and the positioning of the following rooms
i) Doctor's consultation Room ii) Patients waiting hall iii) medical store. (12M)
5. a) Draw the sign conventions
i) Stone ii) plaster. iii) Earth iv) Marble. (4M)
b) Draw any four types of bonds in brick work. (8M)

PART-B $1 \times 24 = 24M$

1. Draw the plan, section and elevation of the given line diagram. (Assume required data)

(24M)



2. a) Draw the sign conventions of glass, rock, sand filling, concrete, brick, and wood cross grains? (6M)
- b) Draw the plan and elevation of the given line diagram of any side view. (All dimensions are in metres) (18M)

