muADDA

Civil/IV/CBSGS/BDD-I

ረ- 6 · 1 ዓ QP Code : NP-19782

[REVISED COURSE]

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[Total marks: 80]

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| ix) Question No. 1 is compulsor | ix) | Question No. | 1 is | compulsor |
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- x) Attempt any three out of the remaining five questions.
- xi) Figure to the right indicates full marks
- xii) Assume any suitable data and clearly state the same.

| Q.1 | It is proposed to construct a RCC Framed structure (G+1) Bungalow for a |
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| | businessman with the following area requirements, same on each floor. |
| | Drawing Hall = 25 m ² , Master Bed Room = 25 m ² , Children's' Bed Room |
| | 20 m ² , Guest Room= 20 m ² , Kitchen and Dining Room = 20 m ² . |
| • | Provide verandah, staircase, passage and sanitary units as per bye laws. |
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| i) Draw the Ground Floor plan | • | ^ | |
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| ii) Draw the Front elevation | | , | ż |

- Q.2 A) Draw the cross section passing through staircase, bath, WC of building 15 drawn in Q. no.01
 B) Draw the site layout plan for building drawn in Q. no. of clearly indicating 05 various services, open spaces etc.
- Q.3 A) Draw the foundation plan with dimensions for the building drawn in Q no. 10 01. Also draw the section of one footing
 B) Suggest the type of pitched roof for a factory of size 8.5m x 20m. Draw the 10 plan and section of the same showing all details.
- Q.4 A) Explain the 'principles of planning' used in planning of a residential 10 building.
 - B) Explain the zoning regulation and Building bye laws in detail.
- Q.5 A) Explain with the help of sketches, Load bearing structure, framed 07 structure and composite structure
 B) Draw the plan, elevation and section of the half paneled and half glazed 07 door. Assume the deer size as 1.2m x 2.1m.
 - C) Explain carpet area, built up area and FSI.
- Q.6 Write short notes on the followings (any four)

 i). Sun path diagram, ii). Wind rose (circulation) diagram. Iii). Functional 20 planning of a residential building, iv). Sun shading devices, v). orientation of building.

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