



Building Construction Techniques & Materials (113104)

P. Pages : 2

Time : Three Hours

Max. Marks : 80

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any two** questions from each unit.
5. Figures to the right indicate full marks.
6. Assume suitable additional data if necessary.
7. Answer all the questions of a unit at one place.

UNIT – I

1. What are the various parts of building. Draw sketch of section through a wall. **8**
2. Distinguish between load bearing wall type and framed structure. **8**
3. What are the different types of foundations. Explain any one type with sketch. **8**

UNIT – II

4. What are the types of stone masonry. Explain any one type with sketch. **8**
5. Give comparison of English and Flemish bond. **8**
6. Explain the functions and requirements of good form work. **8**

UNIT – III

7. What are the various types of Lintels. Draw sketch of R.C.C. Lintel. **8**
8. Enlist various types of doors. Draw sketch of fully panelled door. **8**
9. Draw sketch of section of dog-legged stair-case. **8**

UNIT – IV

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| 10. | Draw sketches of any four types of steel trusses. | 8 |
| 11. | Explain the functions of scaffolding and under pinning. | 8 |
| 12. | What are the various types of shores. Explain any one with sketch. | 8 |

UNIT – V

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| 13. | What are the various tests performed on stones. Describe any one. | 8 |
| 14. | What are the qualities of good bricks. | 8 |
| 15. | Write short notes on any two . | 8 |
| i) | Veneers | |
| ii) | Seasoning of timber | |
| iii) | Heat insulating materials. | |
