



c09-c-606 A

**3725**

**BOARD DIPLOMA EXAMINATION, (C-09)**

**MARCH/APRIL—2014**

**DCE—SIXTH SEMESTER EXAMINATION**

**LOW-COST HOUSING, RURAL WATER SUPPLY  
AND SANITATION**

*Time : 3 hours ]*

*[ Total Marks : 80*

---

**PART—A**

3×10=30

**Instructions :** (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. State the role of housing finance in construction industry.
2. What are the services to be provided in rural housing?
3. What is indigenous building material?
4. Write brief notes on ecological balance.
5. Briefly explain about mud-thatch houses.
6. State three measures to be taken for providing shelter for homeless.
7. Write the various inadequacies in rural housing services.
8. Explain briefly about ecological balance.
9. Write a short note on bacteriology of water.

- \* 10. State any three factors affecting biogas production.

**PART—B**

10×5=50

**Instructions** : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. (a) Explain the situations prevailing in urban housing. 5  
(b) Explain the impact of science and technology on housing needs. 5
12. Explain various methods of improving squatter settlement. 10
13. Explain any four alternative building materials. 10
14. Explain the techniques to reduce the cost of construction by thin walls. 10
15. What are the measures to be taken in construction of fire-resistance houses? 10
16. (a) State the different kinds of low-cost infrastructure services provided for rural people. 5  
(b) Explain how the low-cost building materials can be produced. 5
- \* 17. Explain the Nalgonda technique of defloridation. 10
18. Explain the functions and working of KVIC model biogas plant. 10

\*\*\*