



c09-c-606 A

**3725**

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

**OCT/NOV—2014**

**DCE—SIXTH SEMESTER EXAMINATION**

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

*Time : 3 hours ]*

*[ Total Marks : 80*

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**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. Differentiate how the environmental pollution affects in urban and rural construction industries.
2. What do you understand by habitat concept in emerging housing needs?
3. What kinds of house are available in rural areas?
4. State any six alternative building materials.
5. Briefly explain how the cost of construction is reduced.
6. State three measures to be taken for flood-resistance houses?
7. Write a brief note on how the potable water is supplied in rural areas.
8. Explain briefly about energy conservation.

- \* 9. State the kinds of waterborne disease.
10. State two observations and precautions to be taken for rural sanitation.

**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 rural housing. 5  
 (b) Explain the need for National Housing Policy. 5
12. Explain the shelter-upgradation technology. 10
13. Write notes on inorganic and organic building materials. 10
14. Explain the cost reduction technology by improved mud-thatched house. 10
15. What are the measures to be taken while constructing houses in earthquake-prone areas? 10
16. (a) Write a brief note on solar cooker. 5  
 (b) What are the objectives of Housing Development Entrepreneurship Programme (HDEP)? 5
- \* 17. Explain the Nalgonda technique of defloridation. 10
18. Explain the functions and working of KVIC model biogas plant. 10

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