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BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2016

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. State different resources to be considered in emerging housing needs.
3. What kinds of houses are available in rural areas?
4. Write a brief note on ecological balance.
5. Write a brief note on precast concrete roofing.
6. State three measures to be taken for flood resistance houses.
7. What are the various inadequacies in rural housing services?

- * 8. State three factors to be considered in transfer of technology.
9. State any three kinds of waterborne diseases.
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.
(b) Explain the impact of science and technology in housing needs. 5+5=10
12. Explain shelter upgradation technology.
13. Explain the following terms : 5+5=10
(a) Energy conservation
(b) Homes for slum inhabitants
14. Explain the techniques to reduce the cost of construction by thin walls.
15. What are the measures to be taken while constructing houses in earthquake prone areas?
16. Explain what you understand by (a) smokeless wood burning heater and (b) the objectives of housing development entrepreneurship programme (HDEP). 5+5=10
- * 17. Explain the defluoridation of water by Nalgonda technique.
18. Explain briefly about (a) pit privy and (b) borehole latrine. 5+5=10
