



c09-c-606 A

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BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2017

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. Briefly explain the situation prevailing in rural housing.
2. Explain the need for national housing policy.
3. Write a short note on relocation of squatters.
4. Explain cellular concrete in alternative building material.
5. Explain prefabricates system in reduction of cost construction.
6. What are the various measures to be taken in providing shelter for homeless?
7. What are the various inadequacies in providing low-cost infrastructure services?
8. Write a short note on training and skill upgradation.

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1

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9. State the various kinds of water-borne diseases.
10. What are the raw materials used in bio-gas plants?

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 role of housing finance in construction industry. 5
(b) Explain the impacts of science and technology on housing need. 5
12. Explain the various methods in improving squatters settlements.
13. Explain the following : 3+3+4
(a) Dry hydrated lime
(b) Rice husk ash pozzolana
(c) Asphaltic roofing sheets
14. Explain the cost reduction technology by improved mud-thatch houses.
- * 15. What are the measures to be taken while constructing houses in earthquake-prone areas?
16. (a) Explain solar cookers. 5
(b) Explain the concept of innovation in building examples. 5
17. Explain the Nalgonda technique of deflouradation.
18. Explain the functions and working of KVIC model biogas.
