



c09-c-606 A

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BOARD DIPLOMA EXAMINATION, (C-09)
MARCH/APRIL—2018
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. Mention any three environmental pollution problems in slums.
2. Mention various community and housing services required for urban area.
3. List various Shelter Upgradation Technologies.
4. What is the necessity of going for alternative building materials?
5. Write the advantages of half-brick (115 mm) thick load-bearing wall.
6. Write about the shelter for the homeless.
7. Write short note on solar cooker.
8. List any three objectives of housing development entrepreneurship program(HDEP).

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9. What are the requirements of a good disinfectant?
10. What are the raw materials required for 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 various financial assistances available for house construction. 5
(b) Explain the economic and social aspect of housing. 5
12. Explain the measures to improve Shelter for Pavement Dwellers. 10
13. What are the policy measures be taken to produce good quality of materials? 10
14. Explain the inexpensive techniques for protection of mud-thatch houses. 10
15. Write the various precautions to be taken for construction of cyclone resistant houses. 10
16. (a) Explain the low-cost sanitary laterine with a neat sketch. 5
(b) List the different types of new innovative techniques in house building. 5
17. Explain the process of removal of fluorides by Nalgonda technique. 10
18. Explain the working of KVIC model biogas plant with sketch. 10
