



C09-C-606(A)

3725

BOARD DIPLOMA EXAMINATION, (C-09)

JUNE—2019

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 any three problems of urban housing.
2. Write short notes on national housing policy of India.
3. What are the various types of houses in rural areas.
4. List any three new and alternative building materials.
5. State three innovative techniques adopted for low cost housing.
6. Name any three types of natural disaster likely to affect houses.
7. Write three innovative techniques followed for essential housing services.
8. List out any three innovative techniques in a building.
9. State any three measures to prevent water borne disease..
10. What are the raw materials required for a bio gas unit.

*

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 briefly the housing finance system in India.
(b) What are the economic and social aspects that are considered for housing?
12. Explain the various possibilities in improving squatter settlements.
13. Explain the casting of cellular concrete by fly ash and laterite bricks.
14. Explain briefly the innovative technique followed in walling and roofing with concrete hollow bricks.
15. Explain how to make shelter for the homeless in slum areas.
16. (a) Write short notes on smokeless wood burning heater.
(b) Explain the need of training and skill development in producing of low cost building materials.
17. State the method of disinfection and explain any two methods.
18. Illustrate the function and working of KVIC model biogas plant.

*

* * *