

3725

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2021

DAE - SIXTH SEMESTER EXAMINATION

LOW-COST HOUSING, RURAL WATER
SUPPLY AND SANITATION

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

Instructions : (1) Answer *any five* questions.

(2) Each question carries **four** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List the problems faced in urban housing development.
2. Write short note on National housing policy.
3. Write short note on improvements of Squatter settlements.
4. Write the uses of hollow concrete blocks.
5. Write a short note on mud-thatch houses.
6. What is housing disaster mitigation?
7. Write a brief note on how the potable water is supplied in rural areas.
8. How do training and skill upgradation help in improvement of house building technology?
9. State any three measures to prevent water borne disease.
10. State any three factors affecting biogas production.

/3725

1

[Contd...

* **PART—B**

- Instructions :** (1) Answer *any four* questions.
(2) Each question carries **fifteen** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** (a) Explain the role of housing finance in construction industry? 8
(b) Explain the conditions for improving the living and housing standards in rural areas. 7
- 12.** Explain the shelter upgradation techniques to accommodate more poor people. 15
- 13.** Explain the advantages of alternative building materials. 15
- 14.** Explain the techniques to reduce the cost of construction by using thin walls. 15
- 15.** Explain how to make shelter for the homeless in slum areas. 15
- 16.** (a) Explain the problems to be faced for improper maintenance of drainage system. 8
(b) Explain the advantages of low-cost housing materials. 7
- * **17.** Explain the various methods of disinfection. 15
- 18.** Explain the functions and working of KVIC model biogas plant. 15

★ ★ ★