



c09-c-606(A)

3725

BOARD DIPLOMA EXAMINATION, (C-09)
SEPTEMBER/OCTOBER - 2020
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. List the situations prevailing in rural housing.
2. Write the impact of science and technology on housing needs.
3. Write any three types of shelter upgrading technologies.
4. What are the various measures to be taken in construction of earthquake resistance houses?
5. Write any three innovative housing techniques.
6. Define energy conservation.
7. Define hollow concrete blocks.
8. What is smokeless wood burning heater?

* 9. Write a short note on the need protected water supply.

10. Write a brief note on rural sanitation.

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) Write about financial assistance for housing problems.

(b) What are the various economic and social aspects responsible for emerging housing needs?

12. Write about (a) shelter for pavement dwellers and (b) homes for slum inhabitants.

13. Write brief notes about (a) sand lime bricks and (b) cellular concrete.

14. Explain the technique of pre-cast reinforced concrete flooring in cost reduction of cost construction.

15. Write about (a) repair and (b) reconstruction of old houses.

16. (a) Explain the solar cooker and garbage disposal.

(b) Explain the housing development entrepreneurship programme (HDEP).

* 17. Explain the various methods of disinfection.

18. Explain the various types of rural house-hold latrines.
