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BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—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. Differentiate how the environmental pollution affects in urban and rural construction industry.

2. What are the services to be provided in rural housing?

3. Write a brief note on squatter settlement.

4. State any six alternative building materials.

5. Briefly explain about mud-thatch house.

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6. Name six ^{*} various natural disasters.
7. Write a brief note on how the potable water is supplied in rural areas.
8. Explain briefly about ecological balance.
9. Define the following :
- (a) Disinfection
- (b) Sterilization
10. List out three different types of rural household latrine.

PART—B

10×5=50

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

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

(3) The answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

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11. (a) Explain how the environmental pollution affects the construction industry.
- (b) What are the economic and rural aspects responsible for housing needs?
12. Explain various methods of improving squatter settlements.
13. Write a note on inorganic and organic building materials.

14. Explain thin loading wall technology to reduce the cost of construction.
15. What are the measures to be taken in construction of fire-resistance houses?
16. (a) Write a brief note on solar cooker.
(b) What are the objectives of HDEP (Housing Development Entrepreneurship Programme)?
17. Explain the chlorination method of disinfection?
18. Explain the function and working of KVIC model bio-gas plant.
