

3725**BOARD DIPLOMA EXAMINATION, (C-09)****MARCH/APRIL-2019****DCE – SIXTH SEMESTER EXAMINATION**

LOW COST HOUSING, RURAL WATER SUPPLY AND SANITATION

Time: 3Hrs

Max. Marks: 80

PART-A**10x3=30M**

Instructions: 1) Answer all the questions. Each question carries three marks
2) Answer should be brief and straight to the point and shall not exceed five simple sentences.

- 1) Distinguish between Urban and rural environment pollution that affects housing.
- 2) Briefly explain national policy of housing.
- 3) Explain the types of rural house.
- 4) Write short notes on energy conservation.
- 5) State any three innovative techniques adopted in low cost housing.
- 6) Classify the disaster houses.
- 7) List any three inadequacies in providing low cost infrastructure services.
- 8) Write short notes on recycling waste.
- 9) Define (a) Disinfectant (b) Sterilization.
- 10) What are the types of household latrine basins.

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PART-B

10x5=50M

Instructions: 1) Answer any five questions. Each question carries ten marks
2) Answer should be comprehensive and the criterion for valuation is the content but not length of the Answer.

- 11) (a) List out the different financial institutions and their contribution to the construction industry.
(b) Explain briefly the impact of science and technology in emerging housing needs.
- 12) What are the various improvements brought in the use of indigenous materials?
- 13) Explain briefly how to prevent the environmental degradation in respect of housing.
- 14) Explain briefly the laying of roofing with precast RC plank and joist system.
- 15) Explain briefly the precautionary measures to be taken for fire resistant houses.
- 16) a) Explain about an effective drainage system in a house.
b) Write five objectives of housing development and entrepreneurship programme (HDEP).
- 17) Explain the Nalgonda technique of defluoridation.
- 18) Illustrate the function and working principle of a KVIC model biogas unit.

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