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Roll No

CE-8004(1)-CBGS

B.E. VIII Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Sustainable Design and Construction

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Write the difference between status of urban housing and status of rural housing.
b) Write the urban land ceiling and regulation Act with suitable example.
2. What are the initiative taken by Government of India for Rural Housing Development and Finance?
3. Write detailed note on prefabricated Mass Housing In India. Also mention its 'SWOT' analysis.
4. a) Write on the use of agriculture waste in modern construction in detail.
b) What are stabilized mud construction low cost infrastructural services?
5. What are various substitutions of Timber? Explain various industrial wastes using for sustainable construction.

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6. What are various characteristics of Mud? Also write a note on mud housing technology.
7.
 - a) Define the earthquake. Write about damages to houses caused due to earthquake.
 - b) Write the repair and restore of action of earthquake damaged non-Engineering buildings recommendation for future construction.
8. Write short notes on the following:
 - a) Traditional Houses in Earthquake Prone Areas
 - b) Requirements of Structural Safety for Thin Precast Roofing
 - c) Future safety provisions from Floods and Cyclone
 - d) Damage in Non-engineered buildings
