

No. of Printed Pages : 4
Roll No.

220763C

6th Sem / Civil Engineering
Subject : Green Buildings

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of the following is not a concept for green building?
- a) Energy efficiency
 - b) Resources conservation
 - c) Increasing operating cost
 - d) Community Benefits
- Q.2 Which of the following is not a green rating system?
- a) LEED
 - b) GRIHA
 - c) BEE
 - d) LEAD
- Q.3 Full form of GRIHA is
- a) Green Rating for integrated Habitat Assessment
 - b) Green Rating for International Habitate Assessment
 - c) Great Rating for Integrated Habitat Assessment
 - d) Green Rating for International Habitat Audit

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- Q.4 Which of the following is a Non-renewable Energy system.

- a) Solar Power
- b) Water / Hydro Power
- c) Wind Power
- d) Thermal Power

- Q.5 Day lighting is which type of Environment Quality Parameter.

- a) Indoor
- b) Outdoor
- c) Both A & B
- d) None of above

- Q.6 What is full form of LEED?

- a) Long Environment Energy Demand
- b) Large Energy Environment Design
- c) Leadership in Energy Environment Design
- d) Leadership in Energy Environment Demand

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What are the main benefit of green Building?
- Q.8 What is full form of ECBC?
- Q.9 What is full form of RWH?

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- Q.10 Write name of any four Renewable energy?
- Q.11 Which code used for Energy Conservation?
- Q.12 Name any one water Quality Parameter?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What are the criterion and compliance of LEED?
- Q.14 What are the star pattern rating given by GRIHA for Green Buildings.
- Q.15 How we can conserve water by using efficient fixtures in washrooms?
- Q.16 Write short note on various type of low volatile organic compound materials?
- Q.17 Write short note on Roof top solar power plant?
- Q.18 Write short note on UPVC windows?
- Q.19 What is Passive solar design concepts?
- Q.20 Write short note on Hollow concrete blocks?
- Q.21 What are shading and colour in Green Building design concepts
- Q.22 What is sun controlled glass?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Write Brief note on Reuse of waste material.
- Q.24 Write short note on any two
- Roof top solar power plant
 - Solar chimney
 - Wind mills.
- Q.25 What are the Energy Efficient star Labelled Appliances. Explain star rating system in brief.