

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 Habitat Assessment
- c) Great Rating for Integrated Habitat Assessment
- d) Green Rating for International Habitat Audit

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 benefits of green Building?

Q.8 What is full form of ECBC?

Q.9 What is full form of RWH?

(1)

220763C

(2)

220763C

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. $(8 \times 4 = 32)$

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. $(2 \times 8 = 16)$

Q.23 Write Brief note on Reuse of waste material.

Q.24 Write short note on any two

- a) Roof top solar power plant
- b) Solar chimney
- c) Wind mills.

Q.25 What are the Energy Efficient star Labelled Appliances. Explain star rating system in brief.