

Roll No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

B.TECH.
(SEM VII) THEORY EXAMINATION 2021-22
SUSTAINABLE CONSTRUCTION METHOD

Time: 3 Hours

Total Marks: 100

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief. 2 x 10 = 20

Q no.	Question	Marks	CO
a.	What do you understand by foundation?	2	
b.	Write basic construction method of steel structure.	2	
c.	Define modular construction .	2	
d.	What is precast construction?	2	
e.	Define tall structure.	2	
f.	What are sustainable construction materials?	2	
g.	What do you understand by GRIHA rating for construction system?	2	
h.	Define GREEN construction project.	2	
i.	What are green construction materials?	2	
j.	Write optimization performance of green material.	2	

SECTION B

2. Attempt any three of the following:

Q no.	Question	Marks	CO
a.	What is the most sustainable construction method ? Explain any one	10	
b.	Explain in detail challenges facing sustainable construction .	10	
c.	How precast concrete construction could contribute to a better sustainable construction?	10	
d.	Write project management strategies for use in construction industry ?	10	
e.	Write evaluation of current LEED.	10	

SECTION C

3. Attempt any one part of the following:

Q no.	Question	Marks	CO
a.	Write the difference between formwork and staging?	10	
b.	What is the basic requirements for formwork engineering? Explain	10	

4. Attempt any one part of the following:

Q no.	Question	Marks	CO
a.	What is slip form technique and where it is used?	10	
b.	What are the steps in bridge construction ?	10	



Roll No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

5. Attempt any one part of the following:

Q no.	Question	Marks	CO
a.	Explain the strategies are used in construction to communicate work activities.	10	
b.	Write environmental issues in construction industry.	10	

6. Attempt any one part of the following:

Q no.	Question	Marks	CO
a.	What is the most current version of LEED. How many criteria are there to evaluate LEED?	10	
b.	How you do prepare for LEED Associate? Is the LEED Ap exam difficult?	10	

7. Attempt any one part of the following:

Q no.	Question	Marks	CO
a.	How does construction materials affect the environment? Explain	10	
b.	What are the main elements of green construction? Explain any two.	10	

QP2201P_132
 / 05-Jan-2022 16:13:42 | 43.230.196.221