



End Semester Examination – Nov/Dec – 2016

Code : 14CE3025
Sub. Name : Energy Efficient Building

Semester : 2016-17 ODD
Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Why is energy efficiency in buildings important? Write in detail about its principles	CO1	12
	b.	Write in detail about the different steps for energy efficiency in building	CO1	8
(OR)				
2.	a.	How to reduce heating demand? Elaborate your answer with examples	CO1	7
	b.	HAVC system – elaborate its working methods	CO2	7
	c.	Mention the need for air-conditioning.	CO2	6
3.	a.	Elaborate the Key benchmarking categories examined in green building	CO1	13
	b.	Mention the several benefits of Installing a ceiling	CO2	7
(OR)				
4.	a.	Explain the Objectives Of Sewage Collection And Disposal	CO2	10
	b.	Summarize the detail description about indoor environmental quality	CO2	10
5.	a.	How to go about ceiling implementation? Support your answer with neat sketch	CO1	8
	b.	Observe and rephrase about effective strategies improving occupants' comfort and control	CO2	12
(OR)				
6.	a.	Examine the Barriers to Implementation of ceilings & HVAC side	CO2	12
	b.	Write in detail about advantages & drawback offered by the water carriage system	CO1	8
7.	a.	Discuss about in detail about IDP	CO1	7
	b.	Write about the 7 Principles of Impact Reduction of building projects elaborate your answer	CO3	6
	c.	What can you do understand to move toward carbon neutrality?	CO3	7
(OR)				
8.	a.	Explain sustainable construction. What are the simple ways to make it happen? Elaborate your answer	CO1	10
	b.	Mention the different Strategies for Reducing the Environmental Impacts of Construction, Explain in detail	CO3	10
<u>Compulsory:</u>				
9.	a.	Explain in detail about the eight Tips to Reduce Your Building Carbon Footprint	CO2	8
	b.	Write any two measure taken in Estimation of Operating Costs for green building projects	CO3	7
	c.	What is a "Carbon Footprint?" Explain	CO2	5

ALL THE BEST

Course Outcome:

- CO1: To give the concept of Energy efficient buildings with the holistic approach
- CO2: To acquaint the students with the international assessment systems and documentation procedure
- CO3: To be aware of the economic benefits of High performance buildings