Time:(3 Hours) **[Total Marks : 80]**

Notes :

1. Question No **ONE** is **Compulsory**.
2. Answer any **THREE** from remaining.
3. Draw **FIGURES** wherever necessary. Figures to the right indicate full marks.
4. **WRITE** proper question / sub question numbers on the left margin allotted in answer sheet.
5. Each Question carries **EQUAL** marks.
6. **ASSUME** any additional data if necessary and state it clearly.

1.		**Attempt (Any 4)**	
	a)	Explain Sick building syndrome.	**05**
	b)	How can we reduce construction Waste?	**05**
	c)	What are the benefits of green campuses?	**05**
	d)	What are the different stages of Life cycle assessment?	**05**
	e)	Define Embodied energy with suitable example.	**05**
2.	**a)**	How Energy can be managed in appropriate way through Green Building Technology?	**10**
	b)	Write a brief description on IGBC green new building rating system.	**10**
3.	**a)**	Note down and describe all points which are considered in Green Building Design.	**10**
	b)	Describe Eco-friendly captive power generation for factory.	**10**
4.	**a)**	What are the different ways to Measure Indoor air quality? Write down their effects on Occupational Health.	**10**
	b)	Define Kyoto Protocol with suitable example. What is the meaning of green building movement?	**10**
5.	**a)**	What is the meaning of Green building assessments system studying? And write down their benefits.	**10**
	b)	Explain Building Research Establishment Environmental Assessment Method.	**10**
6.	**a)**	Write a note on Energy Management with respect to buildings.	**10**
	b)	Describe Process of EIA and its application through a case study.	**10**

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