00421

No. of Printed Pages : 2

B.	Tech.	Civil	(Construction	Management)
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Term-End Examination

December, 2015

ET-581(C) : BUILDING SERVICES

Tin	ne : 3	hours Maximum Marks	Maximum Marks : 70		
No		Answer any five questions. All questions ca equal marks.	ırry		
1.	_	lain the operations involved in the treatment rater with the help of a neat diagram.	14		
2.	(a)	What do you understand by UPS ? Discuss its need.	7		
	(b)	Describe the various types of UPS Systems.	7		
3.	(a)	What are the reasons of leakages in new and old buildings?	7		
	(b)	Discuss the various types of waterproofing treatments available in the country. Discuss their suitability for various applications.	7		
4.	(a)	What do you understand by the term air-conditioning ? Why is it necessary ? How does it differ from ventilation ?	7		
	(b)	What are the main components of a simple vapour compression refrigeration system ? Describe their functions.	7		
ET-	-581(C	C) 1 P.1	г.О.		

- 5. What is composting ? Discuss the various methods of composting. Differentiate between anaerobic decomposition, aerobic decomposition and vermi-composting.
- 6. (a) Discuss the effects of fire on construction materials like brick, concrete and steel.
 - (b) Explain the various types of fire detectors used for detection of fire.
- 7. Write short notes on the following :

 $4 \times 3\frac{1}{2} = 14$

- (a) Removal of Fluorides
- (b) Rigid and Flexible Sealants
- (c) Algae Control
- (d) Alarm and Extinguishing Systems

14

7

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