## M.E. First Semester (Civil Engg. (Construction Engg. & Managt.)) (CGS)

## 13066 : Elective : Building Repair & Maintenance Management : 1 CM 05

P. Pages: 2 Time: Three Hours



AW - 3787

Max. Marks: 80

	Note	es: 1. 2. 3. 4.	Answer <b>Three</b> question from Section A and <b>Three</b> question from Section B. Due credit will be given to neatness and adequate dimensions.  Assume suitable data wherever necessary.  Use of pcn Blue/Black ink/refill only for writing the answer book.	
			SECTION - A	
1.	a)	Write a	short note on -	6
		i) Re	estoration	
		ii) Re	etrofitting	
	b)	Explair	in detail Agencies causing deterioration mechanism and effect.	7
			OR	
2.	a)	What a	re the principles of Maintenance management and Quality Assurance.	6
	b)	Explain	n in detail property inspection report.	7
3.	a)	Explair	n in detail Investigation of defects in building.	7
	b)	State N	on destructive tests with the help of diagram.	7
			OR	
4.	a)	Explair	n in detail Actual loads and environmental effects.	7
	b)	Write a	short note on	7
		i) M	aintenance problems	
5.	a)	What a	re the common materials and techniques for Repair and maintenance?	6
	b)	Explair	n in detail selection of material.	7
			OR	
6.	a)	What a	re the preventive maintenance and special precautions?	6
	b)	Explair	n in details water supply and sanitary systems.	7

## SECTION - B

7.	a)	Explain in briefly structural Audit.	7
	b)	Explain in detail Repair of Existing DPC.	7
		OR	
8.	a)	Describe in briefly about maintenance of RCC elements	7
	b)	What are the repair of surface defects?	7
9.	a)	Explain in detail Repair and maintenance of foundations.	6
	b)	How will you curry out the procedure of repair of raft slab foundations?	7
		OR	
10.	a)	Describe prevention of corrosion and its repair.	6
	b)	Explair, in detail concrete placement techniques.	7
11.	a)	Write a short note on	6
		i) Repair of building joint.	
	b)	What are the safety precautions taken in joint sealants?	7
		OR	
12.	a)	Explain in details common strengthening techniques.	6
	b)	Write a short note on	7
		i) Brackets	
		ii) Collars	

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