	B.Tech II Year II Semester Examinations, May - 2 BUILDING MATERIAES, CONSTRUCTION AND PE	ÄNNING
Time:	3 Hours	Max. Marks: 75
Note:	This question paper contains two parts A and B.	Alaura in Dant A
**********	Part A is compulsory which carries 25 marks. Answer all question Part B consists of 5 Units. Answer any one full question Each question carries 10 marks and may have a, b, c as sub question.	from each unit
	PART- A	(25 Marks)
1.a)	List out the qualities of a good building stone.	[2]
b)c)	Differentiate between Natural and artificial seasonings. What are the ingredients of Portland cement?	[3]
d)	Define mineral admixtures and give its uses.	[3]
e)	List out types of floors.	[2]
f)	Describe the importance of fire protection in any type of build	ing. [3]
g).	Distinguish between plastering and pointing	[2] [3]
[h)::	Define scaffolding and its uses.  Give the classification of buildings as per National Building of	
i) j)	What do you understand by principles of planning of a buildin	g? [3]
	PART-B	(50 Marks)
2 a)::	What are the constituents of good brick earth? Explain about ingredients.	the functions of its
b)	List out the methods of quarrying and explain any one method <b>OR</b>	[5+5]
3.a)	Explain about the defects in timber with neat sketches.	£ # #3
b)·.	Describe the advantages and uses of Aluminum.	
4.a)	List out the laboratory tests on cement and explain any one tes	st.
b)	Explain about the dry process of manufacture of cement with	flow diagram. [5+5]
	OR	[UTJ]
:'5:a)'`	Describe the rield tests of cement.	
5;a).	Describe the field tests on cement.  List out the chemical admixtures and its uses.  Briefly explain about hydration of cement.	.::: i <sup></sup> 1.::: [3+3+4]

What do you mean by air-conditioning? Explain about any one method.

Describe about the ideal requirements of acoustic design.

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[5+5]

Enumerate types of foundations.
List out types of arches.

b)

...c)

7.a)

b)

:...<u>;</u>

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C:	8.a)	List out types of bosketch. Explain about the MACP).		sonry and explain	n any one bond         Comp	with a neat  oosite Panel  [5+5]	FG
G	9.a) b) 	Differentiate betwee Define shoring. Explain	n brick masonry lain about any or 	and stone mason ne method of shor	ry. ring. 	[5+5]      <sub> </sub>	AG
	b)	ii) Bye-laws for oper Explain about the me	erits and demeri	ts of building bye	-laws.	[5+5]	*** ***
	11 a)	How do you achie	ve roominess	and flexibility in	ı a bullding? E	Explain with	
<b>(</b>	b)	examples. Explain with suita residential building direction of prevailing	and prepare a t	ypical aspect dia	of 'aspect' in gram for the are	planning a ea where the [5+5]	
		FG				FG	
	AG	AC	ĦĠ	FG	AC	FIG	AC
(C)	AG	AG	. PG	AG	AC	AG	AG
ıĞ	AG	AG	AG	ĦĠ	FG	AC	AG
IG	AG	AG	AG	AG	PG	FG	AG
IE:	AG	PG	AG	AG	AC	AG	AG