

	<p style="text-align: center;"><b>ADAMAS UNIVERSITY</b>  <b>END-SEMESTER EXAMINATION : JANUARY 2021</b>          (Academic Session: 2020 – 21)</p>		
<b>Name of the Program:</b>	B.TECH.	<b>Semester:</b>	III
<b>Paper Title :</b>	BUILDING PLANNING & MATERIALS	<b>Paper Code:</b>	ECE42103
<b>Maximum Marks :</b>	40	<b>Time duration:</b>	3 Hours.
<b>Total No of questions:</b>	8	<b>Total No of Pages:</b>	8
(Any other information for the student may be mentioned here)			

**Answer all the Groups**

**Group A**

Answer all the questions of the following

$5 \times 1 = 5$

1. a) What is frog?  
 b) Efflorescence of brick is due to which reason?  
 c) Which type of stones are used in railway ballast?  
 d) What is dry rot?  
 e) Define 'BOGUE Compound'.

**GROUP –B**

Answer *any three* of the following

$3 \times 5 = 15$

2. Why sit investigation is important in site selection?
3. State the objectives of building bye laws.
4. What are the defects of earthen brick?
5. Describe the methods of seasoning of timber.

**GROUP –C**

Answer *any two* of the following

$2 \times 10 = 20$

6. a) What do you understand by 'Principles of planning' of a building? [4+6]  
 b) Explain the significance of 'aspect' and 'prospect' for residential building.
7. a) State the methods of quarrying of stones. [4+6]  
 b) Describe at least two methods of quarrying of stones.
8. Explain different types of defects in timber

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