



Year and Program: 2018-19 School of Technology Department of S. Y. B. Tech

Course Code: CET 203 Course Title: Building Semester – III

Material and Construction

Day and Date: Monday  
10/06/2019

End Semester Examination  
(ESE)

Time: 3 Hrs. 2.30 to 5.30 PM.  
Max Marks: 100

- Instructions:**
- 1) All questions are compulsory.
  - 2) Assume suitable data wherever necessary.
  - 3) Figures to the right indicate full marks.

Q.1	Solve following questions	Marks	Bloom's Level	CO
a)	Explain the classification of Tiles with example? OR	07	L <sub>3</sub>	CO1
a)	Explain Preservation Process of Timber	07	L <sub>3</sub>	CO1
b)	What is Mortar? Explain types and applications of Mortar. OR	08	L <sub>3</sub>	CO2
b)	Explain types of steel along with the applications in civil engineering constructions.	08	L <sub>3</sub>	CO2
Q.2	Solve following questions			
a)	Explain types of Brick bonds along with neat sketches OR	07	L <sub>3</sub>	CO3
a)	Explain types of Stone Masonry along with neat sketches	07	L <sub>3</sub>	CO3
b)	Explain partially glazed window along with neat sketch. OR	08	L <sub>3</sub>	CO4
b)	Explain Components of paneled door along with neat sketch.	08	L <sub>3</sub>	CO4
Q.3	Solve any Two			
a)	Write down the engineering properties of i) Bricks ii) Cement	08	L <sub>2</sub>	CO1
b)	Write a short note on	08	L <sub>2</sub>	CO2

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	a) Cement Plaster			
	b) Lime Plaster			
	c) Differentiate between	08	L <sub>2</sub>	CO3
	a) Brick masonry and Stone masonry			
	b) Rat Trap Bond and English Bond			
	d) Write a short note on	08	L <sub>2</sub>	CO4
	a) Defects in Timber			
<b>Q.4</b>	<b>Solve any Two</b>			
	a) Explain Components of Truss with neat sketch.	09	L <sub>3</sub>	CO5
	b) Write types roof of along with sketch.	09	L <sub>3</sub>	CO5
	c) Explain criteria for selection of flooring material.	09	L <sub>3</sub>	CO5
<b>Q.5</b>	<b>Solve any Two</b>			
	a) Explain following terms	09	L <sub>3</sub>	CO6
	1. Safe bearing capacity of soil			
	2. Ultimate Bearing Capacity			
	3. Factor of Safety			
	b) Explain types of foundation with neat sketch	09	L <sub>3</sub>	CO6
	c) Enlist principles of planning along with neat sketch	09	L <sub>3</sub>	CO6
<b>Q.6</b>	<b>Solve any Three</b>			
	a) Write a short note on	06	L <sub>2</sub>	CO5
	1. Water proofing of Slab/Terrace			
	2. Water Proofing of floors			
	b) Write a short note on floor finishes.	06	L <sub>2</sub>	CO5
	c) Write a short note on preliminary investigation required for section of foundation.	06	L <sub>2</sub>	CO6
	d) What are the causes of damping in building?	06	L <sub>2</sub>	CO6

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