



Sanjay Ghodawat University, Kolhapur
Established as State Private University under Govt. of Maharashtra
Act No XL, 2017

2018-19
EXM/P/09/01

Year and Program: 2018-19 School of Technology

Department of S. Y. B. Tech

Course Code: CET 203

**Course Title: Building
Material and Construction**

Semester – III

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

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- a) Cement Plaster
- b) Lime Plaster
- c) Differentiate between 08 L₂ CO3
 - a) Brick masonry and Stone masonry
 - b) Rat Trap Bond and English Bond
- d) Write a short note on 08 L₂ CO4
 - a) Defects in Timber

Q.4 Solve any Two

- a) Explain Components of Truss with neat sketch. 09 L₃ CO5
- b) Write types roof of along with sketch. 09 L₃ CO5
- c) Explain criteria for selection of flooring material. 09 L₃ CO5

Q.5 Solve any Two

- a) Explain following terms 09 L₃ CO6
 - 1. Safe bearing capacity of soil
 - 2. Ultimate Bearing Capacity
 - 3. Factor of Safety
- b) Explain types of foundation with neat sketch 09 L₃ CO6
- c) Enlist principles of planning along with neat sketch 09 L₃ CO6

Q.6 Solve any Three

- a) Write a short note on 06 L₂ CO5
 - 1. Water proofing of Slab/Terrace
 - 2. Water Proofing of floors
- b) Write a short note on floor finishes. 06 L₂ CO5
- c) Write a short note on preliminary investigation required for section of foundation. 06 L₂ CO6
- d) What are the causes of damping in building? 06 L₂ CO6

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