



Sanjay Ghodawat University, Kolhapur
Established as State Private University under Govt. of Maharashtra
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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
End Semester Examination
(ESE)**

Semester – III

**Day and Date:
Saturday 01/12/2018**

**Time: 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 rock with example?	07	L ₃	CO1
	OR			
a)	What is Lime? Enlist their types, and Explain Hydraulic lime	07	L ₃	CO1
b)	What is pointing? Enlist the types of pointing and explain any 2 with their sketches.	08	L ₃	CO2
	OR			
b)	What is cement? Write down the manufacturing process of cement.	08	L ₃	CO2
Q.2	Solve following questions			
a)	Enlist the various types of Brick bonds and explain any two with their sketches	07	L ₃	CO3
	OR			
a)	Enlist the types of Rubble Masonry and explain any two with their sketches	07	L ₃	CO3
b)	Draw the sketch of casement window and explain their component.	08	L ₃	CO4
	OR			
b)	Write down the types of door and windows and explain any two types of windows	08	L ₃	CO4
Q.3	Solve any Two			
a)	Write down the engineering properties of	08	L ₂	CO1
	i) Bricks			

P.T.O.

	ii) Cement			
b)	Write a short note on	08	L ₂	CO2
	a) Gypsum Plaster			
	b) POP			
c)	Differentiate between	08	L ₂	CO3
	a) Brick masonry and Stone masonry			
	b) Flemish and English Bond			
d)	Write a short note on	08	L ₂	CO4
	a) Defects in Timber			
	b) Preservation of timber			
Q.4	Solve any Two			
a)	Explain King Post Truss with neat sketch.	09	L ₃	CO5
b)	Write any three applications of truss along with sketch.	09	L ₃	CO5
c)	Explain any four criteria for selection of the floor.	09	L ₃	CO5
Q.5	Solve any Two			
a)	Explain following terms	09	L ₃	CO6
	1. Safe bearing capacity of soil			
	2. Ultimate Bearing Capacity			
	3. Factor of Safety			
b)	Explain Combined and Pile foundation with neat sketch	09	L ₃	CO6
c)	Enlist principles of planning and explain any one.	09	L ₃	CO6
Q.6	Solve any Three			
a)	Write a short note on	06	L ₂	CO5
	1. Water proofing			
	2. Thermal insulation			
b)	Write a short note on Roofing Materials.	06	L ₂	CO5
c)	Explain isolated column footing with neat sketch.	06	L ₂	CO6
d)	What are the causes of damping in building?	06	L ₂	CO6
