



**SIDDHARTH GROUP OF INSTITUTIONS:: PUTTUR
(AUTONOMOUS)**

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code: BMC(19CE0105)

Course & Branch: B.Tech - CE

Year & Sem: II-B.Tech & I-Sem

Regulation: R19

**UNIT –I
STONES, BRICKS AND WOOD**

1	List the classifications of rocks and explain the classification based on geological formation.	[L1][CO1]	[12M]
2	What is quarrying of stones and tools used.	[L2][CO1]	[12M]
3	What are the methods of ad precautions of stones.	[L2][CO1]	[12M]
4	Draw the Hybrid-pi model and explain the significance of each and every component in it.	[L1][CO1]	[12M]
5	Explain classification of bricks and ingredients of bricks.	[L2][CO1]	[12M]
6	Explain characteristics of good bricks and physical tests.	[L2][CO3]	[12M]
7	Explain various types of seasoning of Timber.	[L1][CO1]	[12M]
8	What are the characteristics of good timber in building industry.	[L2][CO2]	[12M]
9	Mention the harmful substances in brick earths & explain defects in bricks.	[L1][CO2]	[12M]
10	Write classification of bricks and disease decay of timber.	[L2][CO2]	[12M]

UNIT –II
CEMENT, CONCRETE, MISCELLANEOUS MATERIALS

1	a.What are properties of cement. b.write test to find consistency of cement.	[L1][CO1] [L2][CO3]	[06M] [06M]
2	Write about manufacturing of wet and dry process of ordinary Portland cement With flow chart.	[L1][CO2]	[12M]
3	a.Write field tests of cement b.Ingredients of cement.	[L1][CO1] [L1][CO1]	[06M] [06M]
4	a.Explain laboratory tests of cement. b.Workability of cement.	[L1][CO2] [L2][CO2]	[06M] [06M]
5	a.Explain setting time of cement. b.Segregation and bleeding of concrete.	[L1][CO2] [L1][CO1]	[06M] [06M]
6	Write about mixing and vibration of concrete.	[L1][CO1]	[12M]
7	Explain about workability of concrete and explain any two methods.	[L1][CO1]	[12M]
8	Write about gypsum and rubber.	[L1][CO1]	[12M]
9	Explain dry and wet process.	[L2][CO1]	[12M]
10	Write about. a.Pigiron b.Cast iron c.Glass d.Asbestos e.Steel f.Timber	[L1][CO1] [L1][CO1] [L1][CO1] [L1][CO1] [L1][CO1] [L1][CO1]	[02M] [02M] [02M] [02M] [02M] [02M]

UNIT –III
PAINTS & DISTEMPERS, HIGHWAY MATERIALS

1	Write about composition of paints and preparation of paint	[L1][CO6]	[12M]
2	What are steps involved in process of painting a plastered surface	[L1][CO6]	[12M]
3	a. What do you mean by soundness of aggregate? b. how do you differentiate between fine and coarse aggregates.	[L1][CO3] [L1][CO3]	[06M] [06M]
4	a. How do you conduct sieve analysis on coarse aggregate in laboratory? b. Explain the test procedure for aggregate impact value test.	[L1][CO3] [L1][CO3]	[06M] [06M]
5	a. Describe painting wood surface, metal surface and defects in distemper.	[L1][CO1]	[12M]
6	What are the mechanical properties of coarse aggregate?	[L2][CO6]	[12M]
7	Write about painting plastered surface.	[L1][CO1]	[12M]
8	Describe tests and testing of bitumen.	[L1][CO3]	[12M]
9	Composition of oil paint and preparation	[L1][C6]	[12M]
10	Aggregate impact value	[L1][CO2]	[12M]

UNIT –IV
FOUNDATION & MASONARY

1	What is function of foundation and requirements of good foundation.	[L2][CO5]	[12M]
2	What are the loads coming on foundation?	[L2][CO1]	[12M]
3	How do you construct a foundation?	[L2][CO3]	[12M]
4	Foundation failures with examples.	[L2][CO1]	[12M]
5	Types of foundations based on depths.	[L1][CO1]	[12M]
6	What is masonry & what are the types of stone masonry.	[L2][CO2]	[12M]
7	Explain briefly the types of bonds in stone masonry	[L2][CO2]	[12M]
8	Write differences between brick and stone masonry.	[L2][CO1]	[12M]
9	Terms used in brick masonry and explain with diagram.	[L2][CO1]	[12M]
10	Remedial measures of foundation failures.	[L1][CO5]	[12M]

UNIT –V
LINTELS & ARCHES,PLASTERING AND POINTING,STAIRS

1	What is lintels explain about lintels and why they are used.	[L2][CO4]	[12M]
2	What are the terms used in lintels explain one by one.	[L2][CO4]	[12M]
3	Draw a neat diagram of lintels and name the parts and explain.	[L2][CO4]	[12M]
4	Technical terms of stairs explain with diagram.	[L1][CO4]	[12M]
5	What are the types of mortars for plastering explain in detail.	[L2][CO6]	[12M]
6	What are the methods of plastering explain briefly.	[L1][CO6]	[12M]
7	Write are the requirements of good stairs?	[L2][CO4]	[12M]
8	Explain classification of stairs with examples.	[L1][CO4]	[12M]
9	Discuss the defects in plastering and pointing briefly?	[L1][CO5]	[12M]
10	What are the types of mortars for plastering explain in detail?	[L1][CO4]	[12M]

Prepared by:
1. Karthik B A
Asst Professor/CE