

Question bank for unit test -1

Q.No.		Marks
1	Write short note on chemical composition of cement?	
2	What are the component in Portland cement? And state the functions of each component.	5
3	Explain application of five types of different cements in which situations they can use.	5
4	Write a short note on Bogue's compounds and give significance of each compound.	5
5	Enlist the different tests carried out on aggregate and explain procedure and use or significance of one test. figure necessary .	5
6	How different compounds of cement contribute to heat of hydration?	5
7	Explain alkali-aggregate reaction and factors promoting and controlling the reaction.	5
8	Write a flow chart for the manufacturing of cement by dry process.	5
9	Different types of admixtures? What are the different functions of admixtures ?	5
10	State the laboratory tests to be performed for cement. Explain any one?	5
11	Define workability of concrete. Enlist methods to measure workability and explain any one in detail with fig.	5
12	Define segregation , bleeding, laitance , admixture and Initial setting time.	5
13	What is bulking of sand and its effect on batching.	5
14	State and explain different operations involved during the concreting from mixing to finishing of concrete surface including methods of curing.	5
15	Write short note on compaction of concrete .	5
16	State the factors affecting workability of concrete and explain any one in detail.	5
17	What is fineness modulus of aggregate ? how will you find fineness modulus of aggregate ? what is the standard range of FM for different types of aggregate.	5