



REGISTRATION NUMBER

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SRINIX COLLEGE OF ENGINEERING

3RD INTERNAL EXAMINATION-2022

Subject-**BCE**

Semester-**1ST**

Branch-**SEC-B**

Full Mark-**100**

Time-**2.30Hrs**

ANSWER ANY TEN QUESTIONS (PART-A)

[2X10=20]

- 1) (a) Write the use of Le chatelier's apparatus.
- (b) After how many days the strength of cement is tested and graded.
- (c) What are the different type of brick masonry.
- (d) Write types of mortar?
- (e) In which situation pile foundation is recommended?
- (f) What is the Standard size of brick ?
- (g) What is the use of plumb bob?
- (h) How many types of foundation are there?
- (i) What is the initial and final setting time ofopc?
- (j) What are the different type of deep foundation?

ANSWER ANY EIGHT QUESTIONS(PART-B)

[6×8=48]

1. Explain the classification of bricks based on their quality.
2. Write down the test procedure for finding the workability of concrete.
3. Explain the manufacturing process of cement..
4. Describe a test to determine the compressive strength of brick..
5. Explain physical stone classifications.
6. Explain the classification of bricks based on their quality.
7. Write down the types of cement and ingredient of cement.
8. Explain the manufacturing process of brick.
9. Describe hydraulic structure with example.

ANSWER ANY TWO QUESTIONS (PART-C)

[16×2=32]

1. Enumerate any two laboratory test of cement.
2. What are the good qualities of a stone. Define ashlar rubble masonry
3. The following bearings were taken in running a compass traverse.

LINE	FB	BB
AB	124° 30'	304° 30'
BC	68° 15'	246° 00'
CD	310° 30'	135° 15'
DA	200° 15'	117° 45'

At what stations do you suspect local attractions ? Find the correct bearings of the lines and also compute the included angles.