



REGISTRATION NUMBER

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SRINIX COLLEGE OF ENGINEERING

1ST INTERNAL EXAMINATION-2021-22

Subject-**BCE**

Semester-1st

Branch- **SEC-B**

Full Mark-**60**

Time-**2 Hrs**

ANSWER ALL QUESTIONS (PART-A)

[2X10]

- 1) (a) Write the use of Vicat's apparatus.
- (b) After how many days the strength of cement is tested and graded.
- (c) What are the different types 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 of opc?
- (j) What are the different types of deep foundation?

ANSWER ANY FOUR QUESTIONS (PART-B)

[5×4]

- 2) Explain the classification of bricks based on their quality.
- 3) Write down the difference between RCC and PSC (prestressed concrete).
- 4) Explain the manufacturing process of brick.
- 5) Describe a test to determine the compressive strength of concrete.
- 6) Explain geological soil classifications.

ANSWER ANY TWO QUESTION (PART-C)

[10×2]

- 1) Enumerate any two laboratory test of cement.
- 2) What are the good qualities of a stone. Define random rubble masonry.
- 3) Describe the geological classifications of stone.