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Total Pages : 3

## 002610

## August/September 2022 B.Tech. (Civil) VI SEMESTER Foundation Engineering (PEC-CV-404-1)

(10)

Time : 3 Hours]

[Max. Marks: 75

## Instructions :

- 1. It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.
- 2. Answer any four questions from Part-B in detail.

3. Different sub-parts of a question are to be attempted adjacent to each other.

## PART-A

1. (a) What is the objective of soil investigation	(1.5)	)
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- (b) Define standard penetration number. (1.5)
- (c) Distinguish between representative and nonrepresentative samples. (1.5)
- (d) What are the finite and infinite slopes? (1.5)
- (e) Define Active and Passive earth pressures. (1.5)
- (f) Define the net and gross bearing capacity. (1.5)
- (g) Write a brief note on the concept of pressure bulb.

(1.5)

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<sup>3</sup> . Find the magnitude and point of application basis of shear

. . .

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