

Please check that this question paper contains 9 questions and 2 printed pages within first ten minutes.

EVENING

[Total No. of Questions: 09]

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[Total No. of Pages: ..02..]

Uni. Roll No.

Program: B.Tech. (Batch 2018 onward)

Semester: 6th

Building Construction Practice

Subject Code: PCCE-116

Paper ID: 17241

Scientific calculator is Not Allowed

Detail of allowed codes/charts/tables etc: Not allowed

Time Allowed: 03 Hours

Max. Marks: 60

NOTE:

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

Part – A

[Marks: 02 each]

Q1.

- a) What are the different types of load-bearing structures used in construction?
- b) Describe the process of site clearance in construction projects.
- c) Discuss the factors to be considered in the design of foundations.
- d) Discuss the types of equipment used for pile driving.
- e) Explain the equipment utilized for compaction of soil.
- f) Describe the process of cable anchoring in construction.

Part – B

[Marks: 04 each]

- Q2.** Discuss the considerations involved in constructing high-rise buildings.
- Q3.** What are the important activities involved in earthwork construction?
- Q4.** What are precast pavements, and what advantages do they offer in construction?
- Q5.** Explain the concept of basements and their construction techniques.
- Q6.** What are slip forms and how are they utilized in construction?
- Q7.** What are the common types of cranes used in construction?

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Part – C

[Marks: 12 each]

Q8. Discuss the sequence of activities involved in laying brick and concrete hollow block masonry.

OR

Explain the purpose and types of construction joints.

Q9. Explain the process of launching girders and constructing bridge decks.

OR

Discuss the importance of dewatering and standby plant equipment in underground open excavation.
