

Roll No

CE-5005 (2) (CBGS)**B.E. V Semester**

Examination, November 2018

**Choice Based Grading System (CBGS)
Construction Planning and Management***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt any five questions.
 ii) All questions carry equal marks.
 iii) Assume missing data, if any suitably.

1. a) What are Optimistic, pessimistic and most likely time used in PERT? 7
 b) Compare programme evaluation and review technique with critical path method. 7
2. Draw a neat sketch of job layout for the construction of multistoreyed building. Explain the different parts. 14
3. Explain in detail the following construction equipments: 14
 i) Pile driving
 ii) Hoisting
 iii) Compaction
4. Discuss the following types of contract with their relative merits and demerits: 14
 i) Labour contract
 ii) Lump sum contract
 iii) Item rate contract

5. Write detailed specifications of any two of the following items of work: 14
 i) Cement concrete (1:2:4)
 ii) First class brick work
 iii) Plastering
6. a) What is a "Measurement Book"? How are the measurement Recorded in it? 7
 b) Describe the function of Temporary imprest and permanent imprest. 7
7. a) What is meant by an organisation chart? Explain with examples. 7
 b) Draw the organisation chart of a small construction company. 7
8. Write short notes on the following: 14
 i) Safety engineering
 ii) Changes in contract
