

Roll No.....

**CE-802****B.E. VIII Semester**

Examination, June 2016

**Construction Planning And Management***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.  
 ii) All parts of each question are to be attempted at one place.  
 iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.  
 iv) Except numericals, Derivation, Design and Drawing etc.

1. a) What do you understand by Scheduling?  
 b) What is job layout and its significance?  
 c) Sketch job layout for a multi-storeyed building.  
 d) What is Fulkerson's rule of Node-Numbering? Discuss with examples.

OR

Define and differentiate between CPM and PERT. What is the relation between them?

2. a) What is the function of a vibrator?  
 b) What is the purpose of grouting?  
 c) What is hoisting? Mention various types of hoisting equipment.  
 d) Describe in detail the method of production of crushed aggregate. Discuss various factors affecting it.

OR

What are conveying equipments? Give a detailed account of Belt conveyor system.

3. a) What are essential requirements of a contract?  
 b) What is the process of registration of a contractor?  
 c) Give an illustrative example of NIT.  
 d) Describe conditions of contract, in brief.

OR

Discuss Arbitration and conciliation Act 1996. Mention its objects, advantages and disadvantages.

4. a) What is an imprest account?  
 b) What is the meaning of term 'Specifications'?  
 c) Give a brief note on measurement book and cash book.  
 d) Describe the general specifications of a residential building belonging to a class-I officer.

OR

Describe the various methods of payment to contractors.

5. a) What is materials management?  
 b) Write a brief note on safety measures for fire at construction sites.  
 c) Give a brief description of Employees State Insurance Act, 1948.  
 d) Discuss Lack of safety measures in Indian Construction industry.

OR

Write a detailed note on equipment management.