

**R13**

Code No: 118AZ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, April - 2018

**CONSTRUCTION MANAGEMENT**  
(Common to CE, CEE)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A**

(25 Marks)

- 1.a) What do you mean by 'break even point'? [2]
- b) What is the importance of decision making? [3]
- c) Classify construction projects. [2]
- d) What are the differences between Bar chart and Gantt chart? [3]
- e) What are different budgetary control methods? [2]
- f) What are different kinds of deposits made by a contractor? [3]
- g) What is Measurement book? [2]
- h) What do you mean by specification? [3]
- i) What are the laws relating to wages? [2]
- j) What are the general causes of accidents? [3]

**PART - B**

(50 Marks)

2. Write briefly about the characteristics of management. [10]  
OR
3. What are the tools and techniques of decision making? Explain. [10]
4. Write briefly the differences between CPM and PERT. [10]  
OR
- 5.a) What are the different stages of construction? [5]
- b) What are different resources in construction? [5]
6. Discuss planning techniques with figures. [10]  
OR
- 7.a) Explain methodology of work breakdown structure. [5]
- b) Explain how to prepare a manpower plan? [5]
8. Explain about different types of contracts. [10]  
OR
9. What is arbitration? What are the causes leading to arbitration? [10]
10. Explain about different Personal Protective Equipments (PPEs) which has to be used in Construction site by construction workers. [10]  
OR
- 11.a) What is Workmen's Compensation Act? [5]
- b) Write about Insurance and Safety Regulations. [5]