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Question Paper Code: 47011

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

Seventh Semester

Civil Engineering

14UCE701- CONSTRUCTION MANAGEMENT AND FINANCE

(Regulation - 2014)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Milestone charts are developed around
(a) 1800 (b) 1840 (c) 1900 (d) 1940
2. CPM is
(a) activity oriented (b) event oriented (c) time oriented (d) sources oriented
3. PERT is
(a) activity oriented (b) event oriented (c) time oriented (d) sources oriented
4. The super imposed activity, which does not represent any specific operation or process is known as
(a)Event (b)Dummy (c) node (d)network
5. The network elements are
(a) activity (b) Event (c) slack (d) both (a)& (b)
6. Negative slack indicate
(a) ahead of schedule condition (b) behind the schedule conduction
(c) on schedule condition (d) none of the above
7. If the probability factor is zero, the chances of the completing the project in schedule time are
(a) 0% (b) 50% (c) 75% (d) 100%
8. Positive float for any activity means that the activity
(a) super critical (b) sub critical (c) critical (d) none of the above
9. The actual cost verses time curve is
(a) A straight line (b) U shaped curve (c) A parabola (d) Inverted U shaped curve

10. Cost slope of the direct cost curve is given by
- (a) Crash cost-normal cost/normal time-crash time
 - (b) Crash cost- normal cost/crash time
 - (c) Crash cost-normal cost/normal time
 - (d) normal cost- Crash cost/ crash time

PART - B (5 x 2 = 10 Marks)

- 11. Write the importance of project formulation
- 12. Write the objectives of project planning..
- 13. Describe about schedule control
- 14. What is meant by total quality control?
- 15. Describe about balance sheet.

PART - C (5 x 16 = 80 Marks)

- 16. (a) Explain the Basic Concepts in the Development of Construction Plans. (16)
Or
(b) Explain the resource planning process. (16)
- 17. (a) Explain the CPM network analysis fundamentals. (16)
Or
(b) Explain the purpose of work scheduling. (16)
- 18. (a) What are the types of cost control? Explain them briefly. (16)
Or
(b) Explain the classification of major equipment. (16)
- 19. (a) Explain the quality control and its implementation in construction. (16)
Or
(b) Explain the statistical quality control with sampling by attributes. (16)
- 20. (a) Explain in detail about the Financial Statement Analysis. (16)
Or
(b) Explain the following
 - (i) Ratio analysis (08)
 - (ii) Capital budgeting and its techniques (08)