

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 47101

B.E./B.Tech. DEGREE EXAMINATION, MAY 2022

Seventh Semester

Civil Engineering

14UCE701 -CONSTRUCTION MANAGEMENT AND FINANCE

(Regulation 2014)

Duration: Three hours

Maximum: 100 Marks

PART A - (10 x 1 = 10 Marks)

(Answer all Questions)

1. Milestone charts are developed around CO1- R
(a) 1800 (b) 1840 (c) 1900 (d) 1940
2. If the project duration is < 3 years then it is known as..... CO1- R
(a) Long duration projects (b) Medium duration projects
(c) Mega duration projects (d) Short duration
3. The super imposed activity, which does not represent any specific operation or process is known as CO2- R
(a)Event (b)Dummy
(c) node (d)network
4. The time which does not reduce direct cost with increase in time is known as CO2- R
(a) crash time (b) normal time (c) optimistic time (d) standard time
5. The network elements are CO3- R
(a) activity (b) Event (c) slack (d) both (a)& (b)
6. Negative slack indicate CO3- R
(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 CO4- R
- (a) 0% (b) 50% (c) 75% (d) 100%
8. Positive float for any activity means that the activity CO4- R
- (a) super critical (b) sub critical (c) critical (d) none of the above
9. The balance sheet adheres to the following formula: CO5- R
- (a) Assets + Shareholders' Equity = Liabilities
- (b) Assets + Liabilities = Shareholders' Equity
- (c) Assets + Shareholders' Equity + Liabilities = 0
- (d) Assets = Liabilities + Shareholders' Equity
10. Current ratio = CO5- R
- (a) Liabilities / Assets (b) Debts / Fund
- (c) Share capital / Debentures (d) Current assets / Liabilities.

PART – B (5 x 2 = 10 Marks)

11. Write the importance of project formulation CO1- U
12. Differentiate Choice of technology & appropriate technology. CO2- U
13. Define Balance Sheet. CO3- U
14. What is meant by total quality control? CO4- U
15. Describe about balance sheet. CO5- U

PART – C (5 x 16 = 80 Marks)

16. (a) Explain briefly about work task in detail with appropriate examples. CO1 -U (16)
- Or
- (b) Explain the resource planning process. CO1 -U (16)
17. (a) Explain the CPM network analysis fundamentals CO2- U (16)
- Or
- (b) (i) How scheduling with uncertainty its durations is carried out? CO2- U (8)
- (ii) Explain the steps to improve the Scheduling Process. CO2- U (8)

18. (a) What are the types of cost control? Explain them briefly. CO3- U (16)
- Or
- (b) Explain the classification of major equipment. CO3- U (16)
19. (a) (i) Write in detail about quality and safety concerns in construction. CO4 - U (8)
- (ii) Describe the specifications for work and material in construction. CO4 - U (8)
- Or
- (b) Explain in detail about different statistical methods available for quality control. CO4- U (16)
20. (a) Explain in detail about the Financial Statement Analysis. CO5- U (16)
- Or
- (b) Explain in detail about the capital budgeting and its techniques. CO5- U (16)

