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Question Paper Code: 97701

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

Seventh Semester

Civil Engineering

19UME701-PROJECT MANAGEMENT AND FINANCE

(Common to ALL branches)

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

PART A - (10 x 1 = 10 Marks)

1. Line & staff organization is suitable for..... CO1 -U
(a) Small project (b) Large project (c) New project (d) Service project
2. A project is accomplished by performing a set of CO1 -U
(a) Objectives (b) Activities (c) Team members (d) Organization
3. A..... is a procedure based upon a simple rule CO2- U
(a) Heuristic (b) least slack (c) shortest task time (d) most resource
4. The Dummy activity is CO2- U
(a) Imaginary activity (b) network (c) arrow (d) successor
5. Parkinson's Law states that the work expands to fit the allotted CO4- U
(a) cost (b) time (c) resources (d) activity
6. The strategy used to correct resource over-allocations by balancing CO4- U
demand for resources and the available supply is known as
(a) resource assignment (b) resource leveling
(c) resource splitting (d) resource scheduling
7. Grapevine is a type of CO4- U
(a) Informal communication (b) formal communication
(c) Written communication (d) pictorial communication

- 8 BOOT stands for CO5- U
(a) build operate own time (b) build own operate time
(c) build own operate transfer (d) build occupy operate transfer

- 9 Current Ratio = _____. CO3- U
(a) Current assets / Current liabilities (b) Fixed assets / Current liabilities
(c) Debt / Current assets (d) Debt / Equity

- 10 Patents, Copyrights and trademarks are CO3- U
(a) Current assets (b) Fixed assets (c) Intangible assets (d) Investments

PART – B (5 x 2= 10Marks)

11. State stages of project life cycle. CO1- U
12. Differentiate PERT and CPM CO2- U
13. What is resource smoothing? CO4-U
14. Define histogram and Pareto chart. CO5-U
15. Difference between direct expenses and indirect expenses CO3-U

PART – C (5 x 16= 80Marks)

16. (a) Briefly explain types of project organization structure. CO1 -App (16)
Or
(b) What is the importance of the project management in detail CO1-App (16)
explain.
17. (a) Describe about PERT and CPM. Enumerate the advantages and CO2 -App (16)
disadvantages of PERT and CPM
Or

- (b) Draw the project network and determine the critical path for the following data. CO2 -Ana (16)

Time in Months

Activity	Optimistic time (t_o)	Most likely time (t_m)	Pessimistic time (t_p)
1-2	5	7	9
1-3	2	5	8
2-4	1	4	7
2-5	2	3	4
3-5	6	9	12
4-5	3	6	9

18. (a) Discuss about the factors determining an effective span of management. CO3-U (16)

Or

- (b) Elucidate any four types of organization. CO3-U (16)

19. (a) Illustrate the purpose of quality function deployment with house of quality examples. CO4- U (16)

Or

- (b) Distinguish in detail Concept of project quality and responsibility for quality in projects. CO4-Ana (16)

20. (a) Illustrate the Profit and Loss Account, from the following balances of Mr. Kumar for the year ending 31.12.2019. CO5-App (16)

Office Rent	Rs.30,000	Salaries	Rs.80,000
Printing Expenses	Rs.2,0000	Stationeries	Rs.3,000
Tax, Insurance	Rs.4,000	Discount allowed	Rs.6,000
Advertisement	Rs.36,000	Travelling expenses	Rs.26,000
Gross Profit	Rs.2,50,000	Discount received	Rs.4,000

Or

- (b) Illustrate the Cash flow analysis and Funds flow analysis CO5- U (16)

