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**Question Paper Code: 99701**

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2023

Seventh Semester

Civil Engineering

19UME701-PROJECT MANAGEMENT AND FINANCE

(Common to CSE,ECE,EEE,MECH,IT,Chemical, BME & Biotech Engineering)

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. OBS stands for..... CO1- U
  - (a) Other barriers systems
  - (b) Offered by superior
  - (c) Organization breakdown structure
  - (d) optimum breakdown structure
2. Corporate downsizing..... CO1- U
  - (a) Depromotion
  - (b) Promote staff
  - (c) Reducing manpower
  - (d) Shifting people
3. PERT analysis is based upon CO1- U
  - (a) Optimistic time
  - (b) Pessimistic time
  - (c) Most likely time
  - (d) All of these
4. Project performance consists of CO1- U
  - (a) Time
  - (b) cost
  - (c) quality
  - (d) all of the above
5. The word Heuristics means CO1- U
  - (a) Resource constraints
  - (b) Flexibility
  - (c) The critical path changed
  - (d) Rule of thumb

6. Parkinson's Law states that the work expands to fit the allotted CO1- U  
 (a) cost (b) time (c) resources (d) activity
7. Project quality means quality of the project end-items.... CO1- U  
 (a) Deliverable (b) Product  
 (c) deliverable and product (d) safety
8. Which of the following doesn't qualify to be a synonym for inspection? CO1- U  
 (a) Audit (b) Process Analysis  
 (c) Peer Review (d) Walkthrough
9. Patents, Copyrights and trademarks are CO1- U  
 (a) Current assets (b) Fixed assets (c) Intangible assets (d) Investments
10. Net profit is calculated in which of the following account? CO1- U  
 (a) Profit and loss account (b) Balance sheet  
 (c) Trial balance (d) Trading account

PART – B (5 x 2= 10Marks)

11. List out any four characteristics of projects CO1- U
12. What is Risk Management. CO1- U
13. Explain Splitting CO1 -U
14. Define histogram and Pareto chart. CO1 -U
15. Difference between direct expenses and indirect expenses CO1- U

PART – C (5 x 16= 80Marks)

16. (a) Explain a project. What are the five characteristics that help differentiate projects from other functions carried out in the daily operations of the organization? CO1- U (16)  
 Or  
 (b) Explain the statement of work in project planning. CO1- U (16)
17. (a) Interpret PERT and CPM. Explain the Advantages and disadvantages of PERT and CPM CO2- App (16)  
 Or  
 (b) Explain the Terminologies used for Constructing a Project Network. CO2- App (16)

18. (a) Apply the concept theory of constraints in detail for the resource allocation method CO3- App (16)
- Or
- (b) Apply the splitting and multitasking project resources with example CO3- App (16)
19. (a) Illustrate the New seven tools of quality management with suitable diagram CO1- U (16)
- Or
- (b) Explain the TQM in projects CO1- U (16)
20. (a) (i) Compare the trial balance sheet and balance sheet CO5- App (16)  
(ii) Illustrate the types of financial ratios in detail.
- Or
- (b) From the following balance sheet compute the following ratio CO5- App (16)  
1. current ratio      2. liquid ratio      3. proprietary ratio  
4. Debt equity ratio   5. Gross profit ratio   6. Net profit ratio  
7. Return on investment

Liabilities	Rs	Assets	Rs
Equity share capital	20,000	Fixed assets	
7% preference share capital	2,000	Less: Depreciation	26,000
Reserves and surplus	8,000	10,000	
6 % mortgage debentures	14,000	Current assets:	3,000
Current Liabilities		Investment (10 %)	
Creditors	1,200	cash	1,000
Bill payable	2,000	Investments (10 %)	3,000
Outstanding expenses	200	Sundry debtors	4,000
Tax provision	2,600	Stock	16,000
	50,000		
			50,000

Other information

Net sales Rs.60,000

Cost of goods sold Rs.51,600

Net income before tax Rs.4000

Net income after tax Rs.2000

