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Question Paper Code: 57701

B.E./B.Tech. DEGREE EXAMINATION, NOV 2018

Seventh Semester

Computer Science Engineering

15UME701 -PROJECT MANAGEMENT AND FINANCE

(Common to MECH, ECE, EEE, EIE and IT branch)

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. When considering the following activities, which is the best example of a project? CO1- R
(a) Processing insurance claims (b) Producing automobiles
(c) Writing a policy manual (d) Monitoring product quality

2. In the _____ stage of the project life cycle, project objectives are established, teams are formed, and major responsibilities are assigned. CO1- R
(a) Identifying (b) Defining (c) Planning (d) Executing

3. PERT analysis is based on CO2- R
(a) Optimistic time (b) Pessimistic time
(c) Most likely time (d) All the above

4. The performance of a specific task in CPM, is known CO2- R
(a) Dummy (b) Event (c) Activity (d) Contract

5. If resources are not adequate to meet peak demands, the resulting reschedule is termed CO3- R
- (a) Resource-constrained scheduling (b) Time-constrained scheduling
(c) Mandatory leveling (d) Project resource adjustment
6. More common problems associated with managing multi project resources include all of the following except CO3- R
- (a) Inefficient resource utilization
(b) Delays in one project cause delays in other projects
(c) Reducing "downtime" created by lack of tasks to perform
(d) Resource bottlenecks
7. Performing quality assurance is a sub process of the _____ process of project quality management. CO4- R
- (a) Initiating (b) Closing
(c) Monitoring and controlling (d) Executing
8. The quality function deployment (QFD) process begins with: CO4- R
- (a) Technical design parameter (b) Customer wants and needs
(c) Quality control requirements (d) Target component characteristics
9. When the concept of ratio is defined in respected to the items shown in the financial statements, it is termed as CO5- R
- (a) Accounting ratio (b) Financial ratio
(c) Costing ratio (d) None of the above
10. Net initial investment is divided by uniform increasing in future cash flows to calculate CO5- R
- (a) Discounting period (b) Investment period
(c) Payback period (d) Earning period

PART – B (5 x 2= 10Marks)

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| 11. Mention the major characteristics of a project. | CO1- U |
| 12. Write any three network diagram methods? | CO2- U |
| 13. Define critical chain scheduling (CCS). | CO3- U |
| 14. What are the elements of Quality management? | CO4- U |
| 15. What is Net Present Value? | CO5- U |

PART – C (5 x 16= 80Marks)

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| 16. (a) What is project life cycle? Explain its all stages. | CO1- U | (16) |
| Or | | |
| (b) Explain the work breakdown structure in project planning. | CO1- U | (16) |
| 17. (a) Explain the Terminologies used for Constructing a Project Network. | CO2-App | (16) |
| Or | | |
| (b) Explain about PERT Technique in network analysis. Also state their limitations with suitable examples. | CO2-App | (16) |
| 18. (a) Explain in detail about the types of constraints and kinds of resource constraints. | CO3-App | (16) |
| Or | | |
| (b) Briefly explain about the multi project scheduling and list the more common problems encountered in managing multi project resource schedules. | CO3-App | (16) |
| 19. (a) Define the Quality Function Deployment (QFD) and explain the QFD process. | CO4- U | (16) |
| Or | | |
| (b) Explain in detail about the project audit process. | CO4- U | (16) |

20. (a) Describe the classification of asset accounts found on a CO5-Ana company's balance sheet. (16)

Or

- (b) Critically evaluate the payback period as a method of CO5-Ana investment appraisal. (16)