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Question Paper Code	13404
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**B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2025**

Eighth Semester

**Electronics and Instrumentation Engineering**

**20MGEL801 - PROJECT MANAGEMENT AND FINANCE**

Regulations - 2020

Duration: 3 Hours

Max. Marks: 100

**PART - A (MCQ) (10 × 1 = 10 Marks)**

Answer ALL Questions

	<i>Marks</i>	<i>K – Level</i>	<i>CO</i>
1. Suppose a manager is excellent at the disseminator role. What specific skill do they likely excel in? (a) Technical skills      (b) Human skills      (c) Conceptual skills      (d) Analytical skills	1	K1	CO1
2. What is the primary objective of software testing in the SQA process? (a) To detect as many faults as possible      (b) To automate the development process (c) To initiate design review committees      (d) To replace peer reviews	1	K1	CO1
3. Which phase involves examining the effects and impacts that may occur during the project execution? (a) Preparation for Project Formulation      (b) Analysis and Diagnosis (c) Project Design      (d) Results Assessment	1	K1	CO2
4. What is the significance of Financial Analysis in project formulation? (a) To evaluate the social benefits of the project (b) To estimate the costs and revenues of the project (c) To design the detailed work plan for the project (d) To identify and evaluate the optimal technology	1	K1	CO2
5. Which Capital Budgeting method considers the concept of "time value of money"? (a) Pay Back Period Method      (b) Average Rate of Return (c) Net Present Value Method      (d) Profitability Index	1	K1	CO3
6. What are the benefits of manager appraisals? (a) Increase in product quality      (b) Promotion of teamwork (c) Reduction in customer satisfaction      (d) Decrease in employee morale	1	K1	CO3
7. PERT stands for Program _____ and Evaluation Technique. (a) evaluation      (b) execution      (c) estimation      (d) efficiency	1	K1	CO4
8. The term "float" represents the _____ in the schedule of a project. (a) delay      (b) duration      (c) risk      (d) cost	1	K1	CO4
9. In critical path analysis, CPM is _____. (a) event oriented      (b) dynamic in nature (c) deterministic in nature      (d) probabilistic in nature	1	K1	CO5
10. What is the primary concept behind Value for Money analysis. (a) Assessing economic impacts      (b) Comparing costs and outcomes (c) Evaluating stakeholder engagement      (d) Measuring project duration	1	K1	CO5

**PART - B (12 × 2 = 24 Marks)**

Answer ALL Questions

11. What are the scopes of project management?	2	K1	CO1
12. List out the types of project in project management.	2	K1	CO1
13. Enumerate the difference between formal and informal organization.	2	K2	CO1
14. Define project screening.	2	K1	CO2
15. What is project formulation?	2	K1	CO2

16. Distinguish between risk and uncertainty in project management.	2	K2	CO2
17. Summarize the types of project appraisal.	2	K2	CO3
18. Define capital budgeting.	2	K1	CO3
19. Explain project design in project management.	2	K2	CO4
20. What is the meaning of PERT?	2	K1	CO4
21. Differentiate between traditional sources of financing and private investments in project finance.	2	K2	CO5
22. Who are angel investors?	2	K1	CO5

**PART - C (6 × 11 = 66 Marks)**

Answer ALL Questions

23. a) Explain in detail about the life cycle of a project and its different phases.	11	K2	CO1
<b>OR</b>			
b) Explain the four types of project organizational structures? Explain any two in detail.	11	K2	CO1
24. a) Describe project selection methods and its types in detail.	11	K2	CO2
<b>OR</b>			
b) According to your perception enumerate the role of multidisciplinary teams in project management.	11	K2	CO2
25. a) Explain any two project management methodologies in detail.	11	K2	CO3
<b>OR</b>			
b) Explain in detail about the L&M approach and UNIDO approach.	11	K2	CO3
26. a) Explain PERT and CPM and how do they differ from traditional project scheduling methods.	11	K2	CO4
<b>OR</b>			
b) Explain about project overrun with a case study in manufacturing industry.	11	K2	CO4
27. a) Analyze the various financial instruments used in project finance and how they meet infrastructure project funding needs.	11	K3	CO5
<b>OR</b>			
b) Analyze how incubators support new business ideas and help them grow.	11	K3	CO5
28. a) (i) Discuss about top-down approach in cost estimation.	6	K2	CO4
(ii) Summarize about venture capital and elucidate how it facilitates the inception of new enterprises?	5	K2	CO5
<b>OR</b>			
b) (i) Explain in detail about the 7 steps of project design.	6	K2	CO4
(ii) Evaluate the Build-Operate-Transfer (BOT) model used in project finance.	5	K2	CO5