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GIET UNIVERSITY, GUNUPUR – 765022

B. Tech (Seventh Semester – Regular) Examinations, November – 2023

BPECS7035 / BPEEE7023 - Project Management

(CSE,EEE)

Time: 3 hrs

Maximum: 70 Marks

Answer ALL Questions

The figures in the right hand margin indicate marks.

PART – A: (Multiple Choice Questions)

(1 x 10 = 10 Marks)

Q.1. Answer ALL questions

- a. Which of these is not one of the constraints of a project?
 - (i) Scope
 - (ii) Resources
 - (iii) Team
 - (iv) Budget
- b. Which of the following is not correct about the initial phase of a project?
 - (i) The cost associated at the beginning of the project is highest.
 - (ii) Stakeholders have maximum influence during this phase
 - (iii) The highest uncertainty is at this stage of the project
 - (iv) All the above statements are correct
- c. Which of the following is not a project management goal?
 - (i) Keeping overall costs within budget
 - (ii) Delivering software to the customer at the agreed time
 - (iii) Maintaining a happy and well-functioning development team
 - (iv) Avoiding customers complaints
- d. A _____ is a set of activities which are networked in an order and aimed towards achieving the goals of a project.
 - (i) Project
 - (ii) Process
 - (iii) Project management
 - (iv) Project Cycle
- e. Resources refers to
 - (i) Machinery
 - (ii) Manpower
 - (iii) Material
 - (iv) All of the above
- f. The project life cycle consists of
 - (i) Understanding the scope of projects
 - (ii) Objectives of the projects
 - (iii) Formulations and planning various activities
 - (iv) All of the above
- g. Following are the phases of Project Management Life Cycle. Arrange them in correct order
1. Design, 2. Marketing, 3. Analysis and evaluation, 4. Inspection, testing and delivery
 - (i) 3-2-1-4
 - (ii) 1-2-3-4
 - (iii) 2-3-1-4
 - (iv) 4-3-2-1
- h. Design phase consist of
 - (i) Input received
 - (ii) Output received
 - (iii) Both A and B
 - (iv) None of the above
- i. Five dimensions that must be managed on a project
 - (i) Constraint, Quality, Cost, Schedule, Staff
 - (ii) Features, Quality, Cost, Schedule, Staff
 - (iii) Features, priority, Cost, Schedule, Staff
 - (iv) Features, Quality, Cost, Schedule, customer
- j. Resource requirement in project becomes constant while the project is in its _____ progress stage
 - (i) 40 to 55%
 - (ii) 55 to 70%
 - (iii) 70 to 80%
 - (iv) 80 to 95%

PART – B: (Short Answer Questions)**(2 x 10 = 20 Marks)**Q.2. Answer **ALL** questions

- a. Define project sponsors.
- b. Define SME.
- c. Define preliminary scope.
- d. Define product owner.
- e. Define initiating.
- f. Define monitoring and controlling.
- g. Define ADM.
- h. Define GRET.
- i. Define group dynamics.
- j. What are the statistics used to strengthen the teams.

PART – C: (Long Answer Questions)**(10 x 4 = 40 Marks)**Answer **ALL** questions

Marks

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|-------|---|----|
| 3. a. | Write a short note on ADM. | 5m |
| b. | Write a short note on PDM. | 5m |
| (OR) | | |
| c. | Write a short note on GRET. | 5m |
| d. | What is a network diagram? Mention the advantages of network diagram. | 5m |
| | | |
| 4. a. | What is the Work Breakdown Structure? | 5m |
| b. | Explain the Design principles in detail. | 5m |
| (OR) | | |
| c. | What is Earned Value Analysis? | 5m |
| d. | Explain the Earned Value Management Foundational Concepts. | 5m |
| | | |
| 5. a. | Explain the difference between weak matrix and strong matrix organizations. | 5m |
| b. | You are working in a weak matrix organization. You are having problems acquiring the project human resources you were promised earlier during the planning phase of the project. The substitute resources being offered to you do not have the skills required to perform the project work. What should you do to resolve this problem? | 5m |
| (OR) | | |
| c. | What are the 10 common challenges of General Project Management? Explain each in detail, and suggest a resolution to each of them. | 5m |
| d. | Explain typical challenges in a Non- IT Project and give 2 options to handle each of them. | 5m |
| | | |
| 6. a. | What are the differences between waterfall & Agile Project methodologies? | 5m |
| b. | You are a project manager for a service as a software firm, which project management methodology will you use, Agile or Waterfall, please explain. | 5m |
| (OR) | | |
| c. | What causes poor group dynamics? | 5m |
| d. | How to create a Gantt chart? | 5m |

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