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NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute Affiliated to AKTU, Lucknow)

B. Tech

SEM: VII - THEORY EXAMINATION (2023-2024)

Subject: Project Management

Time: 3 Hours

Max. Marks: 100

General Instructions:

IMP: Verify that you have received the question paper with the correct course, code, branch etc.

1. This Question paper comprises of three Sections -A, B, & C. It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.
2. Maximum marks for each question are indicated on right -hand side of each question.
3. Illustrate your answers with neat sketches wherever necessary.
4. Assume suitable data if necessary.
5. Preferably, write the answers in sequential order.
6. No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

SECTION A

20

1. Attempt all parts:-

- 1-a. Scope of work must have: (CO1) 1
- (a) Time for reviews
 - (b) Visualizations
 - (c) Explicit details
 - (d) All of these
- 1-b. This is not a characteristic of a project leader: (CO1) 1
- (a) Empathy
 - (b) Integrity
 - (c) Competence
 - (d) Working alone
- 1-c. Most projects fail because of insufficient support of: (CO2) 1
- (a) Strategic fit
 - (b) Top management

- (c) Sponsors
- (d) Project manager
- 1-d. The market forecast shows the market demand that is: (CO2) 1
- (a) Maximum
- (b) Minimum
- (c) Expected
- (d) None of these
- 1-e. During which stage of risk planning, risks are prioritized based on probability and impact? (CO3) 1
- (a) Identify Risks
- (b) Plan Risk responses
- (c) Perform Qualitative risk analysis
- (d) Perform Quantitative risk analysis
- 1-f. _____ is known as a visual representation of a project's planned activities against a calendar. (CO3) 1
- (a) A Gantt chart.
- (b) A critical path network.
- (c) A product flow diagram.
- (d) A Pareto chart.
- 1-g. A 66.6% risk is considered as (CO4) 1
- (a) very low
- (b) low
- (c) moderate
- (d) high
- 1-h. _____ is a mechanism to communicate what tasks need to get done and which organizational resources will be allocated to complete those tasks in what timeframe. (CO4) 1
- (a) Project planning
- (b) Project scheduling
- (c) Project budget
- (d) Project management
- 1-i. It measures the budget for the entire project. (CO5) 1
- (a) Budgeted Cost of Work Scheduled

(b) Budgeted Cost of Work Performed

(c) Schedule Variance

(d) None of these

1-j. It is the last stage of managing the project, and occurs after the implementation phase has ended. (CO5) 1

(a) Project termination

(b) Milestone analysis

(c) Variance analysis

(d) Project auditing

2. Attempt all parts:-

2.a. "Projects are temporary." Briefly describe this statement. (CO1) 2

2.b. List down some general administration expense heads. (CO2) 2

2.c. Define project risk. (CO3) 2

2.d. Define the term lag often used in project scheduling. (CO4) 2

2.e. Write the formula to calculate cost variance. (CO5) 2

SECTION B

30

3. Answer any five of the following:-

3-a. Explain importance of selecting the projects as per the competency of the organization. (CO1) 6

3-b. Discuss the characteristics of a project leader that help him/her to complete the projects effectively. (CO1) 6

3-c. Explain the role of government agencies in promoting people to take different projects for promotion and expansion of business. (CO2) 6

3-d. Explain the steps that you will follow as project manager to start the process of project idea generation till checking feasibility of the project. (CO2) 6

3.e. Identify the sources of financing a project. Which of the following sources will you prefer when you have to procure financial resource? (CO3) 6

3.f. Explain the objectives and benefits of Responsibility Assignment Matrix (RAM). (CO4) 6

3.g. Elaborate the purpose of using Gantt chart in project. Is it necessary to track the Gantt chart? Justify your answer. (CO5) 6

SECTION C

50

4. Answer any one of the following:-

- 4-a. List and describe key phases of a project lifecycle, the activities undertaken and outputs of each phase. (CO1) 10
- 4-b. Describe the project management process in detail. (CO1) 10
- 5. Answer any one of the following:-**
- 5-a. Generate a market and demand analysis profile for a high-end laptop backpack. (CO2) 10
- 5-b. "Identifying the project risk requires wisdom and experience both". Explain this statement. (CO2) 10
- 6. Answer any one of the following:-**
- 6-a. If you have undertaken project in India, can you use social cost-benefit analysis? For what purpose do we use SCBA as an analytical tool. Identify and explain the conditions of discrepancy in SCBA. (CO3) 10
- 6-b. Elucidate the difference between product life cycle and project life cycle. Explain diagrammatically the correlation between project and product life cycle. (CO3) 10
- 7. Answer any one of the following:-**
- 7-a. State the reason why AOA or AON is of significant value to the project manager. Also highlight the difference between AOA and AON. (CO4) 10
- 7-b. Elucidate the difference between CPM and PERT. Explain the steps followed in CPM. (CO4) 10
- 8. Answer any one of the following:-**
- 8-a. 'Project milestone mark specific points along a project timeline.' Explain the differences between time, schedule, milestone and activity terminologies used in the project management. (CO5) 10
- 8-b. Define project termination. Also, elaborate the reasons for project termination. (CO5) 10