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NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute Affiliated to AKTU, Lucknow)

M.B.A.

SEM: IV - THEORY EXAMINATION (2021 - 2022)

Subject: Project Management

Time: 3 Hours

Max. Marks: 100

General Instructions:

1. The question paper comprises three sections, A, B, and C. You are expected to answer them as directed.
2. Section A - Question No- 1 is 1 mark each & Question No- 2 carries 2 mark each.
3. Section B - Question No-3 is based on external choice carrying 6 marks each.
4. Section C - Questions No. 4-8 are within unit choice questions carrying 10 marks each.
5. 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 project manager is responsible for: (CO1) | 1 |
| | (a) Managing entire project | |
| | (b) Evaluating costs only | |
| | (c) Monitor progress only | |
| | (d) Predicting changes only | |
| 1 | Projects are: (CO1) | 1 |
| | (a) Temporary | |
| | (b) Unique | |
| | (c) Temporary and Unique both | |
| | (d) Temporary only | |
| 1-c. | Operational objectives of the project can be: (CO2) | 1 |
| | (a) Cost reduction | |
| | (b) Efficiency | |
| | (c) Timely completion | |
| | (d) All of these | |
| 1-d. | GDP stands for: (CO2) | 1 |
| | (a) Gross domestic product | |
| | (b) Gross domestic part | |
| | (c) Gross Development product | |
| | (d) None of these | |
| 1-e. | Cost variance is computed by: (CO3) | 1 |
| | (a) Subtracting planned value from actual cost | |
| | (b) Subtracting actual cost from earned value | |
| | (c) Subtracting budget at completion from earned value | |
| | (d) Subtracting BAC from ETC | |
| 1-f. | SCBA analyses the (CO3) | 1 |
| | (a) Monetary aspect | |
| | (b) Non-monetary | |
| | (c) Social impact | |
| | (d) All of these | |
| 1-g. | The technique used for scheduling the tasks and tracking of the progress of energy | 1 |

management projects is called (CO4)

- (a) CPM
- (b) Gantt
- (c) CUSUM
- (d) PERT

- 1-h. PERT (Project Evaluation and Review Technique) analysis is based on (CO4) 1
- (a) Optimistic time, Pessimistic time and Most likely time
 - (b) Pessimistic time, Optional time, Maximum time
 - (c) Optimistic time, Efficient time, Most likely time
 - (d) Minimax time, Optimistic time and harmonic time
- 1-i. If the Earned Value is equal to Actual Cost, it means: (CO5) 1
- (a) Project is on budget and on schedule
 - (b) Schedule Variance Index is 1
 - (c) There is no schedule variance
 - (d) There is no cost variance
- 1-j. It is the approved budget for activities scheduled to be performed during a given period. (CO5) 1
- (a) Current planned value
 - (b) Cumulative planned value
 - (c) Both a and b
 - (d) None of these

2. Attempt all parts:-

- 2.a. "Physical sciences projects demand for great knowledge." Explain. (CO1) 2
- 2.b. Describe the business risk. (CO2) 2
- 2.c. Define cost with example. (CO3) 2
- 2.d. Name any two techniques used in project scheduling. (CO4) 2
- 2.e. Define project termination. (CO5) 2

SECTION B

30

3. Answer any five of the following:-

- 3-a. 'An appropriate project organization is needed to run the project efficiently.' Explain this statement. (CO1) 6
- 3-b. "Milestones in a projects are the key indicators of it's progress." Explain in detail. (CO1) 6
- 3-c. Diagrammatically explain the steps of risk identification and analysis. (CO2) 6
- 3-d. Explain the role of government agencies in promoting people to take different projects for promotion and expansion of business. (CO2) 6
- 3.e. Explain the steps involved in UNIDO approach to SCBA in project management. (CO3) 6
- 3.f. Elucidate the difference between AoA and AoN. (CO4) 6
- 3.g. Explain the difference between planned value and earned value of a project. (CO5) 6

SECTION C

50

4. Answer any one of the following:-

- 4-a. It's essential to keep the projects team's morale high at every time. How a project leader can do it? (CO1) 10
- 4-b. Write a descriptive note on the scope of project management. (CO1) 10

5. Answer any one of the following:-

- 5-a. Discuss the uncertainties in demand forecasting. Suggest the ways to cope up with them. (CO2) 10

- 5-b. Describe the project risk. Discuss its various types. (CO2) 10
6. Answer any one of the following:-
- 6-a. Financial assessment and procurement hold high importance in success of a project. Explain the financing stage in a project. (CO3) 10
- 6-b. 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
7. Answer any one of the following:-
- 7-a. Elucidate the similarities and dissimilarities between CPM and PERT. (CO4) 10
- 7-b. Clarify the role of responsibility assignment matrix (RAM). Draw a matrix and explain in detail. (CO4) 10
8. Answer any one of the following:-
- 8-a. Identify and explain the components of cost performance index (CPI). Write the equation to calculate CPI. (CO5) 10
- 8-b. Draw and explain the framework of project management information system. (CO5) 10