

**PAPER-18.A**  
**Project Management**

DATE: 19.06 .2010  
 Time : 2.00pm to 5.00pm

Max. marks: 100  
 Duration : 03 hrs.

**INSTRUCTIONS :**

1. From Part 'A', answer four questions ( Compulsory). Each sub-question carries 01 mark. **Total: 32 Marks**
2. From 'B', answer any 3 out of 5 questions. Each question carries 16 marks. **Total Marks: 48**
3. Part 'C', is a case study with sub questions ( Compulsory) **Total Marks: 20**
4. Use of calculator and/or mathematical table is permitted. Graph sheet can be used wherever necessary.
5. Please read the instruction on the answer sheet.

**Part -A****Q.1. State true or false.****Marks: 08**

- a) An event in a network is defined as a Node and does not consume any time or resource of the project.
- b) Graphical techniques help in communicating Project Plans to all concerned levels more effectively .
- c) The goal of a Project Management Team should be to maximize the present wealth of the firms equity shareholders.
- d) Systems approach in Project management examines inter-relationship and inter – dependency among organizational parts.
- e) Effective Materials Management helps in reduction of overall cost of a project.
- g) Maximax criterion of Decision – making under uncertainty leads to strategy leads to maximum of the Maximum payoffs of each strategy.
- h) The Environment analysis is not considered as a part of Project approval.

**Q. 2 fill in the blank.****Marks: 08**

- 2.1 Three stages of Project Life Cycle are ----- , -----and -----..
- 2.2 Extra time available over and above its duration is called -----with reference to an activity and ----- with reference to an event.
- 2.3 A ----- is defined as an activity which does not consume time or resource but it is useful and necessary constraint for logic completion .
- 2.4 Allocating resources to different activities such that the overall project duration decreases is called -----

2.5 The basic objective of Contract Negotiation of a project should be ----- --  
-----to both parties.

2.6 ----- of an activity is that part of float which remains  
unaffected by utilization of float by previous activities and does not affect  
succeeding activity.

2.7 CPM is used where the emphasis is on trade off between ----- and completion  
date.

2.8 --- -----qualities and effective way of ----- are the requirements of a  
successful Project Manager.

**Q. 3. Link & Connect the following correctly.**

**Marks: 08**

|                              |                                |
|------------------------------|--------------------------------|
| 3.1 ISO 14001                | Standard for Environment       |
| 3.2 CADD Software            | Encoded Graphic<br>Intimations |
| 3.3 Fulkerson Rule           | Numbering of Events            |
| 3.4 Pay Back Period          | Project Financial Appraisal    |
| 3.5 Merits of NPV criterion  | Time Value of Money.           |
| 3.6 Project Risk Analysis    | Capital Budgeting<br>Exercise  |
| 3.7 Team Learning<br>Concept | Quality Circle                 |
| 3.8 ISO 9001                 | Standard for Quality           |

**Q4. Expand Following**

**Marks: 08**

- 4.1 L.O.B
- 4.2 CPM
- 4.3 PERT
- 4.4 GERT
- 4.5 CADD
- 4.6 DPR
- 4.7 JIT
- 4.8 TQM

## PART B

**Answer Any three from following.**

Q.5 a) Describe the terms Project , Project Management, Project Environment and critical issues in success of Project management. **Marks: 08**

b) What are the requirements of a bankable project report for All India Financial Institutions? **Marks: 08**

Q.6. a) What are the different types of project organization? Discuss each with its merits and demerits. **Marks: 16**

Q.7. a) Explain the processes and techniques used in the following

1) Quality Planning

2) Quality Assurance

3) Quality control in projects

**Marks: 08**

b) Discuss the role and characteristics of Budgets in Project Management.

**Marks: 08**

Q. 8. a) Explain the importance of Audit and Review in Project Management.

**Marks: 08**

b) What do you understand by the word Bench Marking in Project Management”?

**Marks: 08**

Q.9. a) Explain the various stages of Project Life Cycle with suitable example of project.

**Marks: 08**

b) Discuss the dominant trends in World class Project Management”?

**Marks: 08**

**PART-C**

**Q.10.**

The details of project are given the following Table

| ACTIVITY | DESCRIPTION                          | IMMEDIATE PREDECESSOR | DURATION DAYS |
|----------|--------------------------------------|-----------------------|---------------|
| A        | Obtain approval for machine purchase | None                  | 10            |
| B        | Obtain machine                       | A                     | 60            |
| C        | Appoint Operator                     | A                     | 30            |
| D        | Install Machine                      | B                     | 20            |
| E        | Commissioning of Machine             | D                     | 5             |
| F        | Training of Operator                 | C , D                 | 10            |
| G        | Trail Run of Machine                 | E , F                 | 5             |
|          |                                      |                       |               |
|          |                                      |                       |               |

- 1) Draw the Network Diagram and find Expected Project Completion duration.
- 2) Construct the Network Table and find Total float.
- 3) What are the critical activities.
- 4) Draw the Critical Path.