# K.J. SOMAIYA INSTITUTE OF MANAGEMENT STUDIES & RESEARCH

## PGDM (RM) / PGDM (COMM) – 2018-20

## III TRIM – END TERM EXAM

## Project Management

**Max Marks: 30**          **Date : 15/04/2019**          **Time:1.5 Hours**

**Note-**1 **Answer any Three questions 2  All questions carry equal marks**

**Q-1 Define and differentiate between ( Any TWO )**

    A.   Project life cycle and Product life cycle
    B.  PERT and CPM
    C.  Project and Normal operations

**Q-2 Write Short Notes on ( Any TWO )**

    A.  Gantt Chart and it's limitations
    B.  Briefly discuss the factors to be considered during Project Identification & Formulation
    C.  What are the common errors Project Manager commit while managing a Project

**Q-3 Briefly Discuss the following ( Any TWO)**

    A.  The need and advantages of Work Break down Structure (WBS )
    B.  Scope creep and it's impact on Project performance
    **C.**  Importance of Project Appraisal

**Q-4**

| Activity | Preceding Activity | Most optimistic Time ( Weeks ) | Most Likely Time  ( Weeks ) | Most Pessimistic Time ( Weeks ) |
|---|---|---|---|---|
| A | Nil | 4 | 7 | 16 |
| B | Nil | 1 | 5 | 15 |
| C | A | 6 | 12 | 30 |
| D | A | 2 | 5 | 8 |
| E | C | 5 | 11 | 17 |
| F | D | 3 | 6 | 15 |
| G | B | 3 | 9 | 27 |

| H | E,F | 1 | 4 | 7 |
|---|-----|---|---|---|
| I | G | 4 | 19 | 28 |

A. Draw the network diagram.
B. Identify the critical path.
C. Find the expected duration and variance for each activity.
D. What is the expected project length
E. What project duration will have 50% chance of success?

**OR**

Following table lists various details of project activities.

| Activities | Immediate Predecessor | Duration ( In days ) | | Crash Cost per day in INR |
|---|---|---|---|---|
| | | Normal | Crash | |
| A | - | 9 | 6 | 20000 |
| B | - | 8 | 5 | 25000 |
| C | - | 15 | 10 | 30000 |
| D | A | 5 | 3 | 10000 |
| E | B | 10 | 6 | 15000 |
| F | C, D, E | 2 | 1 | 40000 |

For every 1 day reduction in the project duration the change in indirect cost of the project is Rs 50,000.

A. Draw the project network.
B. Determine the Normal project duration.
C. Determine the Optimum Project Duration and the maximum savings you can get at this duration.

**Q.5** Write short notes on **Any Two**
a- Why projects Fail
b-Site selection of Projects
c-Materials Management in Projects                                                     d-Risk Management in Projects