DATE: 18.06.2011   MAX. MARKS: 100
Time: 2.00 p.m. to 5.00 p.m.   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) Matrix organization is a combination of line & functional organizations and hence contains

   advantages of both.

   b) Product Life Cycle is an attempt to recognize different stages of products over a period of time

   c) A successful Project Manager has to adopt an inter-disciplinary approach

   d) Consultants have no role in finalization of contracts for equipments and materials.

   e) The estimation of cost of project is necessary for obtaining approvals from the competent authority

   and   financing arrangements of the project.

   f) Budgets are powerful tools available to Top Management for the purpose of cost control and optimum

   utilization of available resources .

   g) The meetings at project sites do not serve any useful purpose and consume avoidable time.

   h) Quality Circles are groups made up of work center members chartered with implementing continuous

   improvement

Q. 2 fill in the blank.   Marks: 08

   2.1   An ------------------------- is a task, job or assignment which consumes resources.

   2.2   ……………… bar charts are considered as best Planning tools in Project Management.

   2.3   Effective Materials Management ensures …………-materials, in ………….. Quantities, at right

   time, price and place.

   2.4   An -------------- in a network is defined as a node, clear step or control point which does not

   consume time or resources

   2.5   In case of PERT network technique there are ………………… time estimates..

   2.6   The ------------------ network technique is deterministic and its decision variables can be

   predicted with a reasonable accuracy such as in construction jobs.

   2.7   The ------------------------- provide professional services in the field of financial , Legal,

   Engineering and others for successful completion of projects.

   2.8   The objectives of Project Management are …………………… and social in nature.

Q. 3. Link & Connect the following correctly.   Marks: 08

3.1 Project Life Cycle	1 Measuring key quality & other indices
3.2 Network Diagram	2 Breaking total Project into Sub Project
3.3 Precedence Diagram	3 Activity with Zero Total Float
3.4 Benchmarking	4 Activity Node Diagram
3.5 Work Breakdown Structure	5 Performance against best competitor
3.6 Continuous Improvement	6 Time & resources not required
3.7 Dummy Activity	7 Three phases of a project
3.8 Critical Activities	8 Graphical representation of activities

Q4. Expand Following   Marks: 08
   4.1 CPM
   4.2 TQM
   4.3 DPR
   4.4 PBP
   4.5 IRR
   4.6 LOB
   4.7 EIA
   4.8 DSS

PART-B

 Answer any three questions from following.

Q.5   Describe the relationship between Project Management and Line Management with reference to and
        examples from the industry in which you are working .   Marks: 16

Q.6.   Developing self directed project teams are key to improving the effectiveness in Project Management
        and successful completion of the project. Discuss with examples from your experience .

                                                                                           Marks: 16

Q.7.   Describe the requirements of a Bankable Project Proposal with details which are considered by banks
        while taking decision about financing the project.   Marks: 16

Q. 8.   Write short notes on any two from the following.
        A) ISO 9000 Series
        B) ISO 14000 Series
        C) Decision Tree   Marks: 16

Q.9A What is cause effect analysis technique and how it is applied in Project Management.

Q.9B What do you understand by Net Present Value . Illustrate the concept with the help of suitable example

                                                                                           Marks: 16

PART-C

Q.10A Draw an arrow diagram of the following activities.

S. No	ACTIVITY	PRECEDING ACTIVITY
1.	(A) Disassemble	-
2.	(B) Clean & Paint Frame	A
3.	(C) Rewind Armature	A
4.	(D) Replace Bearings	A
5.	(E) Assemble & install Motor	B , C , D

Q.10.B The details about a machine purchase for improving the productivity of their operations by M/s Estar Private Limited Bangalore is given below.

ACTIVITY	DESCRIPTION	IMMEDIATE	TIME (DAYS)	PREDECESSOR
A	Obtain approval for Machine purchase	-		10
B	Obtain the machine	A		60
C	Appoint operator	A		10
D	Install Machine	B		20
E	Inspect machine	D		5
F	Train operator	C, D		10
G	Trial run	E, F		5

Q.No.B1 Draw the network diagram and find the expected project Duration.

Q.No.B2 Construct the network table, find total float, critical activities and the critical path

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