MS-52

MANAGEMENT PROGRAMME

Term-End Examination

December, 2010

MS-52 : PROJECT MANAGEMENT

Time : 3 hours   *Maximum Marks : 100*
                              (Weightage 70%)

Note : (i)   *This question paper contains two Sections.*
              Section - A and Section - B.

       (ii) *Attempt any three questions from Section - A,*
              each carrying 20 marks.

       (iii) *Section - B is Compulsory and carries 40 marks.*

SECTION - A

1. "Detailed Project Report (DPR) forms the   **20**
    foundation on which the entire superstructure of
    the project is built - if it is weak, project cannot
    withstand the turbulent times ahead". Bring out
    the do's and don'ts of a good DPR.

2. What are the technical aspects of a typical project   **20**
    as distinct from commercial, financial, economic
    and managerial feasibility ? Discuss three
    important issues that managers must consider
    while conducting technical analysis.

3. (a) Many young project managers believe that their role is one of sitting in front of a small screen in which the entire project effort can be seen and evaluated in support of their decision - making responsibilities. Would you be willing to attack or defend the statement ? Give reasons for your answer.

10+10

(b) Discuss utility of project management software(s).

4. How Human Resource Management is different **20** in construction industry than other manufacturing industry ? Does mobility and exclusivity with change in environment and location make it easier or difficult ? Discuss both positive and negative aspects.

5. (a) Historical demand for a product is **10+10**

	Demand
January	12
February	11
March	15
April	12
May	16
June	15

(i) Using weighted moving average with weights of 0.60, 0.30, and 0.10, find the July forecast.

(ii) Using a simple three-month moving average, find the July forecast.

(iii) Using single exponential smoothing with $\alpha = 0.2$, and a June forecast $= 13$, find the July forecast.

(b) You are to test the validity of your forecasting model. Here are the forecasts for a model you have been using and the actual demands that occurred.

Week	Forecast	Actual
1	800	900
2	850	1000
3	950	1050
4	950	900
5	1000	900
6	975	1100

Compute the MAD and tracking signal .

SECTION - B

6. A building project consists 10 activities, A, B, C   20
    etc as listed in the following table. Normal
    duration of each activity along with, preceding
    and succeeding activities are also given.

Activity	Preceding Activity	Succeeding Activity	Estimated Duration (days)
A	-	B, C	5
B	A	D, E	2
C	A	F, G	6
D	B	H	4
E	B	I	4
F	C	I	2
G	C	J	3
H	D	-	8
I	E, F	-	7
J	G	-	7

Draw the network and determine the critical path
and total project duration.

7. Write short notes on **any four** :   4x5=20
    (a) Activity Cost Curve
    (b) Project Control Curve (S Curve)
    (c) MIS
    (d) Matrix Organisation Structure
    (e) Vendor Management
    (f) Demand forecasting