Nepal College of Information Technology

**Assessment**

Spring 2012

Program : IT Time : 3 hrs

Semester : (VIII) FM : 100

Subject : Project Management PM : 50

* ***Candidates are requested to give their answer as far as practicable in their own words.***
* ***The figure in the margin indicates the full marks***
* ***Attempt ALL question***

**1)** a) What do you mean by life cycle of the project? Explain the activities done in the implementation phase of the project. [8]

b) What is controlling of the project? Explain the cost control method or earned value analysis. [7]

Or

What is scheduling? Explain the factors which affect the scheduling

2) a) What are the tools of the project management techniques? Explain advantages and disadvantages of the bar chart. [5]

b) Draw a net work diagram for a following project and find earliest start time, earliest finish time, latest start time, latest finish time and total float, free float and independent float. [10]

|  |  |  |
| --- | --- | --- |
| Activities | Duration | Predecessor |
| A | 6 | - |
| B | 4 | A |
| C | 5 | B |
| D | 5 | A |
| E | 3 | - |
| F | 11 | E, A |
| G | 3 | D ,F |
| H | 7 | E, A |
| I | 5 | D,F |
| J | 3 | H, I |
| K | 8 | C, G, J |

**Or**

Draw a network diagram from the following activities and corresponding duration of a project. And find: a) Find the standard deviation of the project

b) Find the risk of completing the project by 4 weeks after the expected project completion period.

|  |  |  |  |
| --- | --- | --- | --- |
| Activity | Activity duration (weeks) | | |
| Optimistic | Most likely time | Pessimistic |
| 10 – 20 | 2 | 5 | 8 |
| 20 – 30 | 8 | 11 | 20 |
| 30 – 40 | 0 | 0 | 0 |
| 20 – 40 | 4 | 7 | 16 |
| 20 – 50 | 4 | 9 | 20 |
| 40 – 60 | 7 | 10 | 13 |
| 50 – 60 | 3 | 7 | 17 |
| 30 – 70 | 3 | 5 | 13 |
| 60 – 70 | 2 | 3 | 10 |
| 70 – 80 | 2 | 4 | 6 |

nt? eristics of project.

3) a) What do you mean by quality? Explain how you control the quality in the project [7]

b) What is environmental impact? Why we do environmental impact assessment before implementation of the project? Explain [8]

4) a) What do you mean by team building? Explain the importance of the team building [7]

b) Define maintenance management and its types of the project maintenance [8]

5) a) What is project environment? Explain the environmental factors which affect the project. [7]

b) What are the characteristics of developing countries? Explain [8]

6) a) What do you mean by project monitoring? Explain its importance in project management. [7]

b) Define economic impact analysis [8]

7) Write short notes on any TWO: [2 x 5 = 10]

a) Social impact analysis

b) Critical path

c) Work break down structure (WBS)

d) Milestone chart.

***Note: Table of normal distribution curve should be provided to the students***