nepal colelge of information technology

Assessment

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| Level: Bachelor | Semester: Spring | Year : 2013 | |
| Programme: BE-IT | | Full Marks: 100 | |
| Course: Project Management | | Pass Marks: 45 | |
| Time : 3hrs. | |
| *Candidates are required to give their answers in their own words as far as practicable.* | | |
| *The figures in the margin indicate full marks.* | | |
| Attempt all the questions. | | |

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| 1. | 1. What is meant by project? What are the elements that should be considered in managing a project? 2. What are the major phases in the project? State and explain the project life cycle. | 7  8 |
| 2. | 1. What is work breakdown structure? Explain it with suitable example. What are the important aspects that can be covered in work breakdown structure? 2. What do you mean by monitoring and controlling a project? Explain about a project control cycle. 8 | 7 |
| 3. | 1. Draw the network diagram from the following data:  |  |  |  |  | | --- | --- | --- | --- | | Activities | Title | Predecessor | Duration (Weeks) | | 1 – 2 | A | - | 1 | | 2 – 3 | B | A | 5 | | 2 – 4 | C | A | 2 | | 3 – 5 | D | B | 2 | | 3 – 7 | E | B | 3 | | 4 – 5 | F | C | 3 | | 4 – 8 | G | C | 3 | | 5 – 6 | H | D, F | 2 | | 6 – 7 | I | H | 3 | | 7 – 8 | J | E, I | 3 | | 8 – 9 | K | G, J | 2 |  1. Draw CPM network diagram and compute EST, EFT, LST, LFT, TF, FF and project duration for each activities. 8   4.Determine the expected time, standard deviation, and variance of the following activities. Also mark the critical path in the PERT-network diagram. 15   |  |  |  |  | | --- | --- | --- | --- | | Activity | Most optimistic time | Most likely time | Most Pessimistic time | | 1-2 | 6 | 10 | 14 | | 1-3 | 5 | 7 | 15 | | 2-3 | 3 | 5 | 7 | | 2-4 | 4 | 7 | 16 | | 3-5 | 1 | 2 | 3 | | 3-6 | 3 | 6 | 15 | | 4-5 | 0 | 0 | 0 | | 5-7 | 2 | 10 | 12 | | 6-7 | 3 | 5 | 7 | | 7 |

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| 5. | * 1. Enlist the fundamentals of team building and what is the importance of team building in project management.   2. What is maintenance management? Briefly explain the types of project maintenance. | 7  8 |

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| 6. | 1. With the help of s-curve explain the reasons of time and cost overrun in a project.   b) What may be the major resources of a project? Explain resource allocation and resource leveling. | 7  8 |
| 7. | Write short notes on: **(Any Two)**   1. EIA 2. Critical path 3. Advantages and disadvantages of Bar chart | 5x2 |