Nepal College of Information Technology

**Unit Test**

Fall 2013

Program : BE SE Time : 2 hrs

Semester : (I) FM : 70

Subject : Fundamentals of IT PM : 35

* *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. What are the business pressures and responses in todays information Age? 2. List and Explain any two types of Data transmission technology used for advanced computing applications 3. What is CBIT? How it benefits in organization? | 5  5  5 |
|  | 1. Explain Machine Cycle? What are the factors determine the speed of the Microprocessor? 2. Describe the hierarchy of computers according to power and respective roles. | 8  7 |
|  | 1. Explain two main type of system software with example. 2. Explain the importance of electronic communication system in modern business scenario. 3. Describe the OSI reference model and explain the various layers and its application. | 5  4  6 |
|  | 1. Differentiate between Extranets and Intranets. 2. Explain what are the main components of DMBS? 3. What are Database Models? Explain any one Model. | 5  5  5 |
|  | Write Short notes on **(Any Two)**   1. Data Warehouse 2. Secondary Storage Devices 3. Data, Information and Knowledge | 2×5 |

Nepal College of Information Technology

**Unit Test**

Fall 2013

Program : BE SE Time : 2 hrs

Semester : (I) FM : 70

Subject : Fundamentals of IT PM : 35

* *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 | * 1. What are the business pressures and responses in todays information Age?   2. List and Explain any two types of Data transmission technology used for advanced computing applications   3. What is CBIT? How it benefits in organization? | 5  5  5 |
| 2 | 1. Explain Machine Cycle? What are the factors determine the speed of the Microprocessor? 2. Describe the hierarchy of computers according to power and respective roles. | 8  7 |
| 3 | 1. Explain two main type of system software with example. 2. Explain the importance of electronic communication system in modern business scenario. 3. Describe the OSI reference model and explain the various layers and its application. | 5  4  6 |
| 4 | 1. Differentiate between Extranets and Intranets. 2. Explain what are the main components of DMBS? 3. What are Database Models? Explain any one Model. | 5  5  5 |
| 5 | Write Short notes on **(Any Two)**   1. Data Warehouse 2. Secondary Storage Devices 3. Data, Information and Knowledge | 2×5 |