Pokhara University

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| Level: Bachelor | Semester: Fall | Year : 2015 |
| Programme: BE | | Full Marks: 100 |
| Course: Fundamentals of IT | | Pass Marks: 45 |
| Time : 3hrs. |

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| *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. “Information Technology is vital for modern global business to make money”. Justify your answer. 2. What are the basic components of information systems? 3. How do you define global competition and changing workforce? | 5  5  5 |
|  | 1. What is the difference between data and information? 2. Describe the role of various types of computer hardware in personal productivity and organizational productivity. 3. Describe the main types of primary and secondary storage. | 4  7  4 |
|  | 1. List the major disadvantages of artificial intelligence compared with natural intelligence. 2. Define e-commerce and distinguish it from e-business. 3. Define a management information system (MIS) and describe its role in an organization. | 5  5  5 |
|  | 1. How would Information Technologies help the country in adverse situation (e. earthquakes, flood, landslides etc.) what are its advantages and disadvantages? Justify your answer. 2. Distinguish between EFT and EDI. 3. What are the services provided by the internet? | 8  4  3 |
|  | 1. What factors affect the speed of Microprocessor? 2. How can groupware add strategic advantage in a business / organization? 3. What are the major issues faced by e-tailers? | 5  5  5 |
|  | 1. Convert the following decimal number to binary. 2. 7737 3. 42.64 4. Convert the following Hexa decimal to decimal. 5. AD80C 6. What is DSS? How it is important for today’s business. Outline its major capabilities and characteristics. | 4  3  8 |
|  | Write short notes on: (**Any two**)   1. Data mining. 2. Data compression. 3. G to C E-Commerce. | 2×5 |