

# POKHARA UNIVERSITY

Level: Bachelor  
Programme: BE  
Course: Fundamentals of IT

Semester: Spring

Year : 2017  
Full Marks: 100  
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.***

- |    |    |  |     |
|----|----|--|-----|
| 1. | a) | How JIT and TQM can help organizations to alleviate pressures.               | 5   |
|    | b) | What are the capabilities of CBIS?   | 5   |
|    | c) | With suitable examples explain Data, Information and Knowledge.              | 5   |
| 2. | a) | Compare and contrast OSI-Reference model and TCP/IP protocol.                | 8   |
|    | b) | Explain how the Internet helps us to retrieve information.                   | 7   |
| 3. | a) | Explain database with its features. Also list out different database models. | 7   |
|    | b) | Explain Enterprise Storage System.   | 8   |
| 4. | a) | Write a short description about HTML, CSS and XML.                           | 5   |
|    | b) | What are the two major types of System software?                             | 5   |
|    | c) | Explain how an e-mail is sent and received.                                  | 5   |
| 5. | a) | What is MIS?   | 8   |
|    | b) | Define e-commerces and explain its types.                                    | 7   |
| 6. | a) | What is a search engine and how it works?                                    | 5   |
|    | b) | What are the characteristics of Data-warehouse?                              | 5   |
|    | c) | How do you mean by fuzzy logic?  | 5   |
| 7. |    | Write short notes on: <b>(Any two)</b>                                       | 2×5 |
|    | a) | IT in business environment   |     |
|    | b) | Packet switching   |     |
|    | c) | TPS  |     |