

POKHARA UNIVERSITY

Level: Bachelor

Semester: Spring

Year : 2018

Programme: BE

Full Marks: 100

Course: Fundamentals of IT

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) What is an information system? How does it work? What are its management, organization, and technology components? 8
b) Distinguish between data and information and between information systems literacy and computer literacy. 7
2. a) Define communication channel. What are the characteristics of communication channels? 7
b) What are the factors that affect the speed of Microprocessor? Explain Enterprise Storage system? 8
3. a) Explain database with its features. Also list out different database models. 7
b) Compare and contrast OSI-Reference model and TCP/IP protocol. 8
4. a) What are the two major types of System software? 8
b) Explain how an e-mail is sent and received. 7
5. a) What are the benefits of AI and neural networks in business? How does the organizations can take advantages of this? 8
b) What are the Ethical and legal issues that has to be considered in e-commerce? 7
6. a) Describe the characteristics of management information systems (MIS) and explain how MIS differ from TPS and from DSS. 8
b) Distinguish between EFT and EDI. How does organization benefits from this services? 7
7. Write short notes on: (Any two) 2×5
 - a) Human resource management
 - b) Packet switching
 - c) CBIS system