

POKHARA UNIVERSITY

Level: Bachelor
Programme: BE
Course: Fundamentals of IT

Semester: Fall

Year : 2019
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) Discuss business pressures and responses in today's information age. 5
b) Name and describe the basic components of information systems? 5
c) Differentiate between data, information and knowledge. List out the characteristics of high-quality data. 5
2. a) Describe artificial intelligence and compare it to conventional computing 5
b) What are the common output technologies? Distinguish their merits and demerits. 5
c) In present scenario what are the criteria used for evaluating software when planning a purchase? 5
3. a) Describe the general functions of the operating systems. 7
b) Explain how data base approach overcomes the problems associated with the traditional file environment and discuss disadvantages to the database approach. 8
4. a) Name the components of a telecommunication system. Classify and discuss on the major type of networks. 8
b) Identify seven telecommunication application that can help the organization attain competitive advantage 7
5. a) Identify and briefly describe the management challenges caused by the internet. 6
b) How does MIS help for a company? Discuss on the basis of reports that MIS produces. 4
c) Describe the role, benefits and structure of inter-organizational system. 5
6. a) Define e-commerce and distinguish it from e-business. 5

- b) Distinguish among B2B, m-commerce and C2B? 5
- c) List out the benefits and limitations of e-commerce. 5
- 7. Write short notes on: (**Any two**) 2×5
 - a) Data warehouse
 - b) Intranet, extranet and internet
 - c) Enterprise resource planning