

# POKHARA UNIVERSITY

Level: Bachelor

Semester: Fall

Year : 2020

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) List and describe six reasons why information Systems are so important for business today? 8  
b) Describe some of the pressures that characterize the modern global business environment? 7
2. a) Explain the importance of DBMS in E-business environment? 8  
b) Compare and contrast OSI-Reference model and TCP/IP protocol. 7
3. a) What are the different stages of machine cycle. Explain it with neat diagram? 8  
b) List out different database model and its advantages, with diagram ? 7
4. a) What is an operating System? Explain operating system as resource managers? 8  
b) Write a short description about HTML, CSS and XML. 7
5. a) What are the different types of E-commerce? Explain with examples? 8  
b) What are the benefits of data warehouse? What is fuzzy logic. 7
6. a) What are the business benefits of using intelligent techniques for knowledge Management? 9  
b) Why enterprise resource planning is needed in an organization? Justify your answers. 6
7. Write short notes on: (**Any two**) 2×5
  - a) ER Diagram
  - b) LAN WAN & MAN
  - c) Internet, Extranets
  - d) Management Information System