

# POKHARA UNIVERSITY

Level: Bachelor  
Programme: BE  
Course: Fundamentals of IT

Semester: Fall

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) Define Information Technology? Explain with a help of Neat sketch the relationship between Business pressure, organization response and IT support? 10
- b) Define mobile computing and M-commerce and Corporate portals. 5
2. a) Explain the types of Information System. 7
- b) What is OSI reference model? Explain the roles of all the layers of OSI reference model. 8
3. a) What is the difference between data and information? 4
- b) Describe the role of various types of computer hardware in personal productivity and organizational productivity. 7
- c) Describe the main types of primary and secondary storage. 4
4. a) Define a database. What is a data dictionary? Why it is needed? How it is used? 8
- b) What are the drawbacks of traditional file system and how DBMS overcomes those drawbacks? 7
5. a) Explain MIS. 8
- b) What is global Information Systems? List three benefits of global information system with suitable examples? 7
6. a) Explain the roles of IT in Business function. 8
- b) How would Information Technologies help the country in adverse situation (earthquakes, flood, landslides etc.) what are its advantages and disadvantages? Justify your answer. 7
7. Write short notes on 4x2.5
  - a) Data mining
  - b) Convert the binary numbers to decimals (111011.101) =
  - c) Convert the Decimal numbers to Hexa decimal 54977
  - d) Data compression