

Level: Bachelor  
Programme: BE  
Course: Fundamentals of IT

Semester: Fall

Year : 2018  
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) Explain how economic, culture, and technological changes are occurring in digital world and how it effects the society . 8
- b) What are the basic components of an information system? Distinguish the difference between information infrastructure and information architecture. 7
2. a) What are the components that define the speed of the microprocessor? 5
- b) Describe the three types of Enterprise storage system. 5
- c) Identify the major hardware components of a computer system 5
3. a) Differentiate between high level language and low level language. 5
- b) What are the significance and characteristics of database management system? 5
- c) What are the general software features does a software should have? 5
4. a) The local goverment wants information technology to be implemented in local government office. What are the necessary steps that you should consider and different equipments needed in implementing the project? 8
- b) Explain about Internet and Intranet. List some activities that you can do on Internet. Describe, how the World Wide Web is different from the Internet. 7
5. a) List and describe the primary threats to information security. 8
- b) What are different type of e-commerce? Explain any two with examples. 7

6. a) You are asked by a business organization to build a management information system what are the necessary steps you are going to take? 5
- b) Explain how organizations are getting the most from their investment in database technologies. 5
- c) What is ERP? How it is important for today's business. 5
7. Write short notes on: (Any two) 2x5
  - a) Data warehouse
  - b) AI in business
  - c) Human Resource Management