



EASTERN UNIVERSITY, SRI LANKA

FACULTY OF SCIENCE

FIRST YEAR SECOND SEMESTER EXAMINATION IN SCIENCE - 2016/2017

(MAY/JUNE, 2019)

EN1052 - INTRODUCTION TO COMPUTING- II

(THEORY)

ANSWER ALL QUESTIONS

TIME ALLOWED: 1 HOUR

Q1)

- a) What is computer network? [10 Marks]
- b) List five benefits that computer networks provide to their users. [15 Marks]
- c) How can a network help a small business save money on printing? [15 Marks]
- d) Define guided media and unguided media in terms of computer networks. Give two examples for each of them. [15 Marks]
- e) Explain the difference between network switches and hubs. [15 Marks]
- f) What is a peer-to-peer network and how it differs from client-server network? [15 Marks]
- g) Why are modems required when two computers need to exchange data over standard telephone lines? [15 Marks]

Q2)

- a) What is a Database Management System (DBMS)? [15 Marks]
- b) Explain the terms *field, record, and table* in terms of database. [15 Marks]
- c) Why it is important to backup the data frequently? [15 Marks]
- d) Explain the use of Domain Name System (DNS) in internet. [15 Marks]
- e) Explain briefly the terms *intranet and extranet*? [15 Marks]
- f) E-mail is not a real-time communications system. What does this mean? [15 Marks]
- g) Write short notes on **any two** of the following: [10 Marks]
- a. HTTP
 - b. TCP/IP
 - c. ETHERNET
 - d. VOIP