

**EASTERN UNIVERSITY SRI LANKA**  
**FACULTY OF COMMERCE AND MANAGEMENT**  
**FIRST EXAMINATION IN BBA/BCOM - 2016/ 2017**  
**FIRST SEMESTER (July / August - 2018)**  
**MGT 1022 – COMPUTING THEORY AND APPLICATION - I**  
**THEORY (PROPER)**

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**Answer all questions**

**Time allowed: 01 hour**

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**Q1.**

- A. What do you understand by **System**? Give four examples for system. (20 Marks)
- B. Briefly explain the components of a system? (15 Marks)
- C. List five qualities of the information with suitable example (20 Marks)
- D. Define the following terms;
- a. Data;
  - b. Information;
  - c. Information Communication Technology (ICT). (15 Marks)
- E. Define the term Software. The computer software is classified into two broad categories, explain them with suitable examples. (20 Marks)
- F. Write down some demerits of ICT. (10 Marks)

**Q2.**

- A. Write down the expansion of the following devices and their functions.
- a. OMR;
  - b. OCR;
  - c. MICR;
  - d. CCTV.

(20 Marks)

B. Compare and contrast the 3<sup>rd</sup> and 4<sup>th</sup> generation of Computers.

(20 Marks)

C. Briefly describe the five features of the Computer.

(15 Marks)

D. Convert the following into Binary (Show appropriate steps):

a.  $(888)_{10}$ ;

b.  $(087.89)_{10}$ ;

c.  $(0.4528)_{10}$ .

(15 Marks)

E. Convert the following into Octal (Show appropriate steps):

a.  $(985)_{10}$ ;

b.  $(785.245)_{10}$ ;

c.  $(FAFD2)_{16}$ .

(15 Marks)

F. Convert the following into Hex (Show appropriate steps):

a.  $(985)_{10}$ ;

b.  $(757)_8$ ;

c.  $(111010101110100)_2$ .

(15 Marks)