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University Examinations 2013/2014

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR DEGREE OF BACHELOR
SCIENCE IN INFORMATION TECHNOLOGY

BIT 2223: INSTALLATION AND CUSTOMIZATION

DATE: APRIL 2014   TIME: 2 HOURS

INSTRUCTIONS: *Answer question **one** and any other **two** questions*

QUESTION ONE – (30 MARKS)

a) Give the meaning of the following terms:
   i. Installation   (1 mark)
   ii. Installer   (1 mark)
   iii. An OS   (1 mark)
   iv. Multiprogramming   (1 mark)
   v. A boot disk   (1 mark)

b) Differentiate between tightly couples and loosely multiprocessor systems. (2 marks)

c) Give four different functions of boot disks during installation.   (4 marks)

d) What are the different media that can be used for booting computers? Give three.
                                                                             (3 marks)

e) An OS provides services to other components. Detail three.   (3 marks)

f) Briefly discuss four computer system resources that may be utilized to solve a computing problem.   (4 marks)

g) (i) What is computer memory?   (1mark)

   (ii) Write brief notes on computer memory focusing on the switches and how they are divided.   (4 marks)

h) (i)   What is the role of BIOS in computer system configuration?   (2 marks)
   (ii) Detail four important BIOS settings and information that is crucial to a computer
   system normal and effective operation.   (2 marks)

QUESTION TWO – (20 MARKS)

(a) You have been invited by your former secondary school to give a talk to the computer
    students. The teacher has asked you to mainly deal on what the students should consider
    when choosing computer memory. Write down what you will prepare for the
    presentation.   (10 marks)

(b) As a computing consultant, a client has come to your office and wants to upgrade the
    memory of his computer. Give the general rules for memory installation that you will
    give to your client indicating the importance of each to his system.   (10 marks)

QUESTION THREE – (20 MARKS)

(a) Discuss briefly common operations that are performed during software installation.
                                                                             (6 marks)

b) The diagram below is a type of cable:

   Explain in detail four types of the cable above used as used in computing.   (8 marks)

c) Computing systems utilize different types of connections and cabling. Give a discussion on

   the different types of cables and what they are used for.   (6 marks)

QUESTION FOUR – (20 MARKS)

Discuss in details five types of installation, giving the complete process and the user's
responsibility during the process.   (20 marks)

QUESTION FIVE – (20 MARKS)

(a) Why are safety procedures important in software installation? (1 mark)

(b) Briefly detail some of the secure computer security practices that a computer technician needs to be familiar with in his/her line of duty. (4 marks)

(c) As a computer technician, give the importance of the following in computer installation and maintenance: (15 marks)
  i. Disk partitioning and defragmentation
  ii. Disk formatting
  iii. Creating of shortcuts
  iv. Data backup
  v. System restore