FINAL
Examination Paper
(COVER PAGE)

Session : September 2005
Programme : Diploma in Information & Communication Technology
Course : CSC 288 : Management Information System
Date of Examination : October 27, 2005
Time : 8.00 a.m. – 11.00 a.m. Reading Time : Nil
Duration : 3 Hours
Special Instructions :

This paper consists of SIX (6) questions. Answer any FOUR (4) questions in the answer booklet provided. All questions carry equal marks.

Materials permitted : Nil

Materials provided : Nil

Examiner(s) : Teo Siew
Moderator : Glory Liu Sze Hui

This paper consists of 4 printed pages, including the cover page.
INTI COLLEGE
MALAYSIA

DIPLOMA IN INFORMATION & COMMUNICATIONS TECHNOLOGY
CSC 288 : MANAGEMENT INFORMATION SYSTEM
FINAL EXAMINATION : SEPTEMBER SESSION 2005

This paper consists of SIX (6) questions. Answer any FOUR (4) questions in the answer booklet provided. All questions carry equal marks.

Question 1

(a) Differentiate between Information System (IS) literacy and Computer literacy. (3 marks)

(b) Briefly describe FIVE (5) key challenges confronting managers in the issue of Information System (IS). (10 marks)

(c) Elaborate on the FOUR (4) different types of Information System (IS). Support your answer with appropriate examples. (12 marks)

Question 2

(a) Database Management System (DBMS) is simply the software that permits an organization to centralize data, manage them efficiently and provide access to the stored data by application programs. Briefly explain FOUR (4) types of DBMS that can be used by database administrator. (8 marks)

(b) Recommend FOUR (4) types of source data automation that can be used to capture data in computer-readable form at the time and place the data were created. (4 marks)

(c) Explain each of the following terms:-

(i) Virtual Storage
(ii) Time Sharing
(iii) Multitasking
(iv) Multiprogramming (8 marks)

(d) Differentiate between compiler and interpreter. (5 marks)
Question 3

(a) Briefly explain the FIVE (5) main components of a Telecommunications System. (10 marks)

(b) Discuss on FOUR (4) challenges faced by managers in managing the new IT infrastructure in an organization. (8 marks)

(c) Briefly describe SEVEN (7) elements in a content of an Information System Planning (ISP). (7 marks)

Question 4

(a) Briefly explain SIX (6) stages of System Development Life Cycle (SDLC) for building an Information System (IS) in an organization. (12 marks)

(b) With an aid of diagram, discuss FOUR (4) types of conversion methods can be used in changing the existing system to the proposed system. (8 marks)

(c) Describe TWO (2) types of CASE tools that can be used in software and system development. (5 marks)

Question 5

(a) Elaborate in detail THREE (3) components of a Decision Support System (DSS). (6 marks)

(b) Suggest FIVE (5) benefits of an Executive Support System (ESS) that can be used by top level managers to address unstructured decision making. (5 marks)

(c) Describe the following terms mentioned below:
   (i) Firewall
   (ii) Digital certificate
   (iii) Secure Electronic Transaction (SET)
   (iv) E-cash

   (8 marks)

(d) Briefly explain THREE (3) application controls that can be used to protect a computerized application. (6 marks)
Question 6

(a) Outsourcing involves contracting computer center operations, telecommunications networks or applications development to external vendors. Discuss **FOUR (4)** reasons why an organization outsourced its information system development to an external party.

(b) Differentiate between logical design and physical design in a system design.

(c) Suggest and briefly explain **SIX (6)** management challenges and opportunities which Internet poses to business and society.

-**THE END**-