First Year Examination of the
Three Year Degree Course, 2001

(Faculty Science and Commerce)

ELEMENTARY COMPUTER APPLICATION

Time : 3 Hours   [Maximum Marks :60]

Note :
 Section A is **compulsory**. Attempt any four question from Section B
                     and **any two** question from Section C.
Section A carries 10 (10x1) marks. Section B carries 24 (4x6)
marks. Section C carries 26 (2x13) marks.

SECTION A

1. Select the correct option :
(A) The computer as a machine and all other equipments associated
      with it are termed as :
(i)   Hardware
(ii)   Software
(iii)   CPU
(iv)   Firmware

(B) In hard disk track 0 is
(i)   Outermost
(ii)   Innermost
(iii)   depends on machine
(iv)   depends on formatting mode

(C) The first commercially available computer was :
(i)   ENIAC
(ii)   UNIVAC-I
(iii)   ABACUS
(iv)   MARK-I

(D) A smart terminal is one which
(i)   looks very attractive
(ii)   has inbuilt processing capability
(iii)   must convert input on CRT screen
(iv)   none of the above

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(E) A computer cannot boot if it does not have
(i)   Compiler
(ii)   Loader
(iii)   Assembler
(iv)   Operating System

(F) EBCDIC code can code upto how many different characters ?
(i)   8
(ii)   256
(iii)   32
(iv)   1024

(G) High Level language is :
(i)   Machine independent
(ii)   Easy to understand
(iii)   Must be converted to Machine Language before execution
(iv)   All of the above

(H) Modem is used to :
(i)   convert analog signal to digital signal
(ii)   convert digital signal to analog signal
(iii)   convert both analog signal to digital signal and digital signal
        to analog signal
(iv)   none of the above

(I) Which of the following is not a desktop accessory ?

(i)   Terminal
(ii)   Calendar
(iii)   Calculator
(iv)   None of the above

(J) Which of the following can be entered as a number in a cell in
    worksheet ?
(i)   1,300.00
(ii)   1.1e+2
(iii)   (5000.00)
(iv)   All of the above

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SECTION B

2 (A) What is data processing? Identify and explain basic data processing activities.   3

 (B) Show with reference to a block diagram structure of a digital computer and inter-connection of various units. Explain functions of various units briefly.   3

3.(A) Differentiate between following :   4
(i)   Application Software and System Software
(ii)   RISC and CISC Machines

 (B) Compare advantage and limitations of a keyboard and a mouse as data input device.   2

4.(A) What are advantages of using optical fibre as compared to copper wire communication? Discuss order of bit rates supported by optical fibre.   3

 (B) Arrange following communication channels in descending order of bandwidth :   1
(i)   optical fibre
(ii)   coaxial cable
(iii)   twisted wires

 (C) Compare Local Area Network with Wide Area Network.
                    2

5.Define following terms :   6
(A) HTML (B) E-mail (C) Internet Surfing (D) Browser (E) World
    Wide Web (F) TCP/IP

6.(A) What is database system ? Explain briefly any three objectives of Database Management System.   3
(B) Discuss features and applications of Graphic User Interface.
    Give two example of Graphic User Interface. 3

7.Write short notes on :   6

(A)Computer Animation Packages.
(B)MS-Office

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SECTION-C

8(A) How do computers differ in purpose, size and design ? Indentify and explain 2 typical applications relevant to each and 2 limitations of different types defined by you.   7

(B)What are advantages of optical storage devices over mangnetic storage devices ? Describe principle and working of any one opticl\al storage device.   6

9.(A) Describe 5 basic functions of an operating system in detail. Describe 3 advantages of Windows over DOS. Describe 3 features of UNIX Operating System not available in Windows and DOS.
                                                                          8

(B)Describe 5 basic characteristics of Word Processor that make it different from simple typewriter. Explain Mail Merge Facility provided by a Word Processor.   5

10.(A) What is E-Commerce? Describe any 2 applications of E-Commerce in detail. Discuss security considerations involved in E-Commerce.   7

(B)Explain in detail about electronic payment system and discuss advantages of using digital currencies.   6

11.(A) Describe any 5 advantages of electronic data processing? Explain how data is processed electronically in banks.

(B)Discuss recent developments in hardware technology and software tolls in field of electronic data processing.

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