Federal Board HSSC-I Examination
Computer Science Model Question Paper

SECTION – A

Time allowed: 20 minutes   Marks: 15

Note: Section-A is compulsory and comprises pages 1-2. All parts of this section are to be answered on the question paper itself. It should be completed in the first 20 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q.1   **Encircle the correct option i.e. A / B / C / D. All parts carry equal marks.**

i.   The piece of hardware that temporarily holds data and program is called _____.
A.   Primary storage   B.   CPU
C.   Secondary storage   D.   Output

ii.   Which of the following layer provides reliable and transparent transfer of packets between stations?
A.   Presentation layer   B.   Session layer
C.   Transport layer   D.   Application layer

iii.   Which of the following transmission line can send and receive data in both directions but not simultaneously?
A.   Simplex   B.   half Duplex
C.   Full Duplex   D.   Serial

iv.   Which of the following key is used to cancel an operation?
A.   Arrow   B.   Caps lock
C.   Num lock   D.   Esc

v.   The number of bits a computer can process at one time is called _____.
A.   Bit strength   B.   Crunch capacity
C.   Bite size   D.   Word size

vi.   The WINDOWS_NT is an operating system developed by:
A.   Netware   B.   IBM
C.   Microsoft   D.   IEEE

vii.   Many networks include a central computer that is called _____.
A.   Server   B.   Bridge
C.   Gateway   D.   Client

viii. The set of rules to exchange data in a communication network is called _____.
A.   Gateway   B.   Procedure
C.   Protocol   D.   Token

ix.   In the world of internet WWW stands for _____.
A.   Web Wide World   B.   World Wide Window
C.   Wide World Web   D.   World Wide Web

x.   A communication technique to transmit large volume of data over long distance
is _____.
A.   Baseband   B.   Broadband
C.   Bandwidth   D.   Narrowband

xi.   Which communication medium requires line of sight?
A.   Microwave   B.   Fiber optics
C.   Twisted pair   D.   Coaxial

xii. CAD stands for:
A.   Computer Aided Design   B.   Computer Assisted Design
C.   Computer Added Drawing   D.   Computer Automated Design

xiii. Which component of CPU is responsible for deciding which operations are to be
performed by the CPU?
A.   ALU   B.   CU
C.   Register   D.   Memory

xiv. Which of the following is not an antivirus program?
A.   Redlof   B.   Norton
C.   Dr. Solomon   D.   Mcafee

xv.   A workbook is a group of _____.
A.   Many Rows   B.   Many Columns
C.   Worksheets   D.   Least number of Columns

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For Examiner's use only

Q. No.1: Total Marks: | 15 |

Marks Obtained: | |

Federal Board HSSC-I Examination
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Time allowed: 2.40 hours   Total Marks: 60

Note: Sections 'B' 'C' and 'D' comprise pages 1-2 and questions therein are to be answered on the separately provided answer book. Use supplementary answer sheet i.e., sheet B if required. Write your answers neatly and legibly.

SECTION – B (Marks 21)

Note: **Section-B consists of following topics of the syllabus:**
a.	Basic Concepts of IT	d.	Information networks
b.	Data communication	e.	Applications and use of computers
c.	Hardware and system software		

Q.2   Attempt any **SEVEN** parts from the following. All parts carry equal marks.   (7 × 3 = 21)
  i.   Differentiate between system software and application software by giving examples.
  ii.   Write down the purpose of Plotter. Also define its two types.
  iii.   Draw and label block diagram of computer system.
  iv.   Briefly define any three layers of OSI Model.
  v.   Define three data communication modes.
  vi.   Write down three types of data communication speed.
  vii.   How computer can be useful in Medical field by giving example?
  viii.   Define three types of ROM.
  ix.   Write down the function of following:
          a.   Program counter register   b.   Instruction register
          c.   Accumulator register
  x.   What is VIRUS? How can it damage computer?

SECTION – C (Marks 21)

Note: Section-C consists of following topics of the syllabus:
a.	Security, copyright and the law	d.	Spreadsheet (Using MS-Excel 2000)
b.	Operating systems (Windows)	e.	Internet, Internet browsing and e-mail
c.	Word processing (using MS-Word 2000)		

Q.3   Attempt any **SEVEN** parts from the following. All parts carry equal marks.   (7 × 3 = 21)
  i.   Write down any three ways to spread virus.
  ii.   Write down steps to restore data from the Recycle Bin?
  iii.   Give three benefits of GUI Operating System over command Line Operating System.
  iv.   Write down the purpose of the following:
          a.   Word Wrap   b.   Thesaurus
          c.   Undo

v.   Differentiate between copy and move the text in MS-Word.
vi.   What is the use of chart in MS-Excel? List any two types of charts.
vii.   Write down step to send an MS-Word document through E-mail.
viii.   What is web surfing? Write down name of any four search engines.
ix.   Define website and web browser.
x.   Differentiate between LAN and WAN.

SECTION – D (Marks 18)

Note: Attempt any **THREE** questions. All questions carry equal marks.   (3 × 6 = 18)

Q.4   Describe the usage of printers also mention the working capacity and mechanism of any three different types of printers.   (6)

Q.5   Define computer networks. Describe the purpose and benefits of computer networks. (6)

Q.6   What is data communication media? Explain three types of a guided communication media with examples.   (6)

Q.7   What is the data protection act? Explain the data protection principles.   (6)

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