Q. 1 Insert the correct option (a, b, c, d) in the empty box opposite to each part. Each part carries one mark.

i) Computer is an…………….device.  (i)  
   (a) Mechanical  (b) Electronic  (c) Electrical  (d) None

ii) 1 byte is composed of…………bits.  (ii)  
    (a) 4 bits  (b) 8 bits  (c) 2 bits  (d) 16 bits

iii) CPU stands for………….  (iii)  
     (a) Central processing unit  (b) Control program unit  (c) Circuit printed unit  (d) None

iv) In startopology the central device is……………that connects all the computers.  (iv)  
    (a) Modem  (b) Hub  (c) Cable  (d) Connector

v) Coaxial cable is an example of……….media.  (v)  
   (a) Unguided  (b) Guided  (c) Both A and B  (d) None

vi) The……………is online to the processor.  (vi)  
    (a) Primary memory  (b) Secondary memory  (c) Input unit  (d) None

vii) A type of software that is used to run the hardware is………….  (vii)  
    (a) Application software  (b) System software  (c) Firmware  (d) Both B and C

viii) A workbook file has………….  (viii)  
     (a) Xls extension  (b) Ppt extension  (c) bmp extension  (d) None

ix) Ethernet uses…………….for avoiding collision among the data signals.  (ix)  
   (a) FDDI  (b) CSMA/CD  (c) CSMA/CA  (d) None

x) A screen that appears after completion of MS-Windows booting is called…………….  (x)  
   (a) Home page  (b) Desktop  (c) Control panel  (d) None

xi) Informations are the processed from of…………….  (xi)  
    (a) Program  (b) Data  (c) File  (d) None

xii) IT is the merger of two technologies…………….and…………….  (xii)  
     (a) Computer and communication  (b) Calculator and computer  (c) Mobile and computer  (d) None

xiii) An example of Full Duplex data transmission is…………….  (xiii)  
      (a) Internet chatting  (b) Telephone calls  (c) Both A and B  (d) Walki Talki

xiv) Email is…………….messaging system.  (xiv)  
     (a) Online  (b) Offline  (c) Soft  (d) None

xv) Virus is a…………….program.  (xv)  
    (a) Useful  (b) Malicious  (c) Informational  (d) None
Q. 2 Write short answers of any TEN of the following parts. Each part carries equal marks.

(i) Differentiate RAM and ROM.
(ii) Explain information Technology.
(iii) Discuss the different types of Data.
(iv) List three advantages of Fiber optic cable.
(v) Explain Bus topology.
(vi) Write the names of any three secondary storage devices.
(vii) Explain the function of ALU.
(viii) Computer virus is a threat for the IT world, explain.
(ix) Define software.
(x) Draw the block diagram of computer system.
(xi) Explain search engine.
(xii) Explain the disadvantages of internet.

Section – C

NOTE : Attempt any TWO questions. Each question carries equal marks.

Q. 3 Do you think that computer help us in our daily life? Discuss with suitable arguments.
Q. 4 What do you know about a computer Network? Explain different network types.
Q. 5 Write note on any two of the following.
   (a) Application software
   (b) Magnetic storage Devices
   (c) Central processing unit (CPU)