

## SUBJECT : COMPUTER SCIENCE (SET-A)

Time : 2 Hrs.

M.M.: 50

Q1. Choose the correct option and write the answer in the answer sheet : (6×1=6)

- (i) This Qbasic function returns a value indicating sign of a numeric expression
- (a) ABS ( )                      (b) SGN ( )  
(c) FLX ( )                      (d) CINT ( )
- (ii) It is an attribute of 'Marquee' tag.
- (a) align                      (b) direction  
(c) bgcolor                      (d) topmargin
- (iii) This Qbasic function converts all characters to lowercase
- (a) UCase\$ ( )                      (b) MID\$ ( )  
(c) LCase\$ ( )                      (d) LEN ( )
- (iv) Name the tag which uses 'href' attribute
- (a) <br>                      (b) <p>  
(c) <pre>                      (d) <a>
- (v) It refers to physical layout of computers in a network
- (a) Hub                      (b) NIC  
(c) Topology                      (d) Router
- (vi) Topology in which all computers are connected to each other in closed circles
- (a) Star                      (b) Tree  
(c) Mesh                      (d) Ring

Q2. Give one word answer for the following statements :

(8×1=8)

- (i) This Qbasic function rounds off numeric value to a nearest integer.

- (ii) A device used to connect all computers in a network to a server.
- (iii) This Qbasic function converts all characters in a string to uppercase.
- (iv) An example of wireless transmission media.
- (v) The HTML tag which uses 'name' attribute.
- (vi) A computer network limited to a room or a building.
- (vii) A topology which combines characteristics of Bus and Star networks.
- (viii) Name an attribute used with <OL> tag.

Q3. Answer the following questions : (5x3=15)

- (i) What is 'Bus' topology? Write its advantage and disadvantage.
- (ii) Write the use of <IMG> tag. Explain its any two attributes.
- (iii) What do you understand by 'Transmission Medium'? Give two examples of wired transmission media.
- (iv) Differentiate between External and Internal Linking (Give any two points).
- (v) What is an ASCII Code?

Q4. Write Qbasic commands for the following : (4)

if A\$ = "Local Area Network"

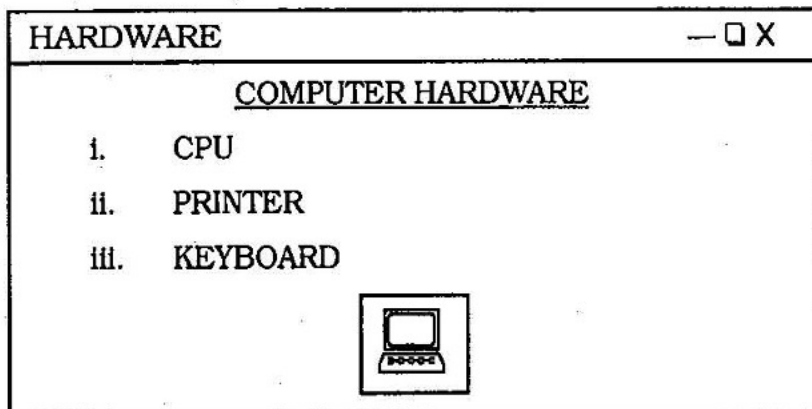
- (i) To display the word "Area" from string A\$
- (ii) To display 7 characters from right side from A\$.
- (iii) To display absolute value of -60.7
- (iv) To round off 46.6 to nearest integer.

Q5. Answer the following questions : (5x2=10)

- (i) What is 'Network Operating System'? Give two examples.
- (ii) Explain 'Peer to Peer' (P2P) network.
- (iii) What are functions? How do they help us?

- (iv) Explain the use of Len ( ) function with its syntax.  
(v) What is the use of CHR\$ ( ) function? Write its syntax.

Q6. Write HTML code to display the output as shown : (7)



- (i) Background color should be yellow.  
(ii) Heading "Computer Hardware" of Level 1, Center, Red color  
(iii) Display list as shown  
(iv) Put a picture file "Computer.jpg" whose height is 100 pixels.