

Total No. of printed pages = 7

Co-301/CA/3rd Sem/2017/N

COMPUTER APPLICATION

Full Marks – 70

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Answer *all* questions.

PART – A

Marks – 25

1. Choose the correct option : 1×5=5

(i) Which of the following is a communication device ?

- | | |
|--------------|-------------|
| (a) Printer | (b) Monitor |
| (c) Keyboard | (d) Modem |

[Turn over

(ii) LINUX is related to

- (a) Compiler
- (b) Operating system
- (c) Utility Software
- (d) Application Software

(iii) Which of the following is a non-volatile memory ?

- (a) Random Access Memory
- (b) Read Only Memory
- (c) Virtual Memory
- (d) Cache Memory

(iv) This command lets you view the contents of a file in DOS.

- (a) CAT
- (b) SHOW
- (c) TYPE
- (d) DISP

(v) The input device that is most appropriate for playing games on a playstation is

- (a) Joystic
- (b) Touch Panel
- (c) Keyboard
- (d) Track Ball

2. State true or false : 1×5=5

(i) The hexadecimal representation for the binary number 100100101011 is 92B.

(ii) Inkjet printer is an impact printer.

(iii) Peripheral is an external device connected to the computer, such as input and output devices and external storage devices.

(iv) An icon on the desktop that represents a temporary holding place for files that are deleted is called as Recycle Bin.

(v) A series of specially designed documents, all linked together to be viewed on the Internet is World Wide Web.

3. Match the following with the closest related meaning : 1×10=10

Column A		Column B	
1	A temporary holding place for text, pictures or graphics.	A	Workbook
2	A feature of Word by which you can print a large number of documents with a similar matter addressed to different recipients	B	Desktop
3	A combination of multiple excel sheets is called as	C	the innermost track
4	ASCII	D	Modem
5	Translates a program written in high level language into machine code	E	Digital signature
6	In a hard disk, the 0 track is	F	RAM

7	The first screen that appears after the computer is switched on	G	Clipboard
8	A device that accomplishes modulation and demodulation	H	Internet
9	Mathematical scheme for demonstrating the authenticity of a digital message or document	I	Mailmerge
10	Volatile	j	Compiler
		K	Interpreter
		L	Standard Alphanumeric code
		M	The outermost track
		N	External memory

4. Fill in the blanks :

1×5=5

(i) The hard disk is the example of _____ memory.

(ii) The CPU is considered to be the _____ of a computer system.

(iii) BCD representation of 24 is _____.

(iv) _____ connects multiple computers in a network.

(v) Coaxial cable is used to connect computers in _____.

PART-B

Marks - 45

Answer *all* the following questions.

5. Answer in brief (any *five*) : $3 \times 5 = 15$

(i) Define Memory and its types.

(ii) Convert decimal to binary number : 75, -50.

(iii) Differentiate between browsers and search engine giving examples of each.

(iv) Why are high level languages known as machine independent ?

(v) What is gray code and where are they used ?

(vi) Define Operating System.

6. Answer the following questions with explanation
(any four) : 4×5=20

(i) Subtract 1101 from 1000110

(a) using 1's complement method

(b) using borrow method

(ii) Write a brief note on network topologies.

(iii) State the various functions performed by the Operating System.

(iv) Differentiate between LAN, MAN and WAN by identifying their salient features.

(v) Write a note on MS-Office highlighting its constituent applications. Mention the basic purpose of each of the application.

7. Draw the block diagram of a computer and explain the function of each block. 4+6=10