

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 : $1 \times 5 = 5$

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

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

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(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