

Total No. of printed pages = 6

Co-301/CA/3rd Sem/2018/M

COMPUTER APPLICATION

Full Marks – 70

Time – Three hours

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

PART – A

Marks – 25

Time – One hour

This part consists of 5 questions each of which carries 5 marks equally. All questions are compulsory.

1. Choose the appropriate option : $1 \times 5 = 5$
- (i) Which of the following is a part of the Central Processing Unit ?
- (a) Printer
 - (b) Key board
 - (c) Mouse
 - (d) Arithmetic and Logic unit

[Turn over

(ii) How are data organized in a spreadsheet ?

- (a) Lines and spaces
- (b) Layers and planes
- (c) Rows and columns
- (d) Height and width

(iii) Which of the following are the functions of an operating system ?

- (a) Allocates resources
- (b) Monitors activities
- (c) Manages disks and files
- (d) All of the above.

(iv) Binary equivalent of 68 is

- (a) 110110
- (b) 100010
- (c) 100100
- (d) None of the above

(v) Which of the following is a network topology ?

- (a) LAN
- (b) HTML
- (c) HTTP
- (d) BUS

2. Fill in the blanks :

1×5=5

- (a) — is considered as the father of modern computer.
- (b) — number system is based on 8 digits.
- (c) An example of a multitasking operating system is — .
- (d) 'Edit' is an — MS DOS command.
- (e) Two's complement of 110011 is — .

3. Answer the following in one word / sentence each :

1×5=5

- (a) Give an example of a single user OS.
- (b) Which MS DOS command is used to create a directory / subdirectory ?
- (c) What is the full form of DVD ?
- (d) How many digits are used in hexa-decimal number system ?
- (e) What is the full form of TCP / IP ?

4. Write down whether the following statements are true or false : 1×5=5

- (a) Pen drive is a permanent storage.
- (b) A computer can be run without an operating system.
- (c) ALU is memory.
- (d) A workbook has by default 5 worksheets.
- (e) Numerical data can not be manipulated in MS WORD.

5. Match the following : 1×5=5

Column A	Column B
(a) Google chrome	(i) is a network topology
(b) Google	(ii) is an internet browser
(c) MS Power Point	(iii) is a presentation application
(d) Consolidation	(iv) is a search engine
(e) Mesh	(v) is a MS-Excel feature

PART – B

Marks – 45

Time – Two hours

This part consists of 7 questions. Each of which carries 9 marks.

Answer any *five* questions.

1. (a) What is an Operating System ? Give examples. Differentiate between XCOPY and DISK COPY MS DOS command. $1+1+2=4$
- (b) Describe the memory management and file management of an operating system. $2\frac{1}{2}\times 2=5$
2. (a) What do you mean by cell referencing in MS Excel ? Give an example. $1+2=3$
- (b) What do you mean by autosum ? Why Format Painter is used in MS Excel ? What are the advantages of using graphical presentation of data ? $1+2+3=6$
3. What do you mean by application software ? Write down steps to mail-merge a letter in MS Word. Differentiate between MS Word and MS Power point. $1+4+4=9$

4. (a) Perform any *two* of the following : $2 \times 2 = 4$

(i) Convert 139 into its binary equivalent.

(ii) Convert 11001001_2 into its hexadecimal equivalent.

(iii) Convert 89_8 into its decimal equivalent.

(b) Perform the following : $2\frac{1}{2} \times 2 = 5$

(i) add + 13 and -18 using 1's complement.

(ii) subtract - 14 from + 19 using 2's complement.

5. What do you mean by internet ? Write down briefly about the network topology. $2+7=9$

6. Differentiate between : $3 \times 3 = 9$

(a) MS DOS command copy and xcopy

(b) Input unit and output unit of a computer system

(c) Internet Browser and Search Engine.

7. Write short notes on any *three* : $3 \times 3 = 9$

(a) Network protocols

(b) Antivirus

(c) Filtering in MS Excel

(d) HTTP.