

Total No. of printed pages = 3

Co-301/CA/3rd Sem/Comp/2017/M

COMPUTER APPLICATION

Full Marks – 70

Pass Marks – 28

Time – Three hours

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

Answer question No.1 and any *five* from the rest.

1. (a) State true or false. 1×5=5

(i) The base of octal number system is 16.

(ii) Primary memory is also known as magnetic memory.

(iii) Pendrive is an input device.

(iv) The BCD equivalent of 82 is 10000010.

(v) Compilers are faster than Interpreters.

[Turn over

(b) Fill in the blanks. $1 \times 5 = 5$

(i) 1 Megabyte is equal to bytes.

(ii) Joystick is an device.

(iii) MD is an command.

(iv) Compiler translates language program to machine level language.

(v) UNIX is a user O.S.

2. (a) Write about various applications of computer.

6

(b) What is transmission media ? Discuss about various transmission media.

6

3. (a) What is an operating system ? Write about different types of operating system. $2+4=6$

(b) What do you mean by internal and external commands in DOS ? Give examples of each.

$3+3=6$

4. (a) What is translator ? Differentiate between compilers and interpreters. $2+4=6$

(b) Write about different codes used in computers (at least three). $2 \times 3 = 6$

5. (a) What is the use of mail merge ? 3
(b) Write the differences between LAN and WAN. 3
(c) What is topology ? Discuss and compare any two network topologies. 2+4=6
6. Convert the following : 2×6=12
(a) 125.75_{10} to binary.
(b) 11101.1101_2 to decimal.
(c) 234_8 to decimal.
(d) $3CB_{16}$ to binary.
(e) 356_{10} to hexadecimal.
(f) 10010001_2 to 1's complement and 2's complement.
7. Write short notes on any *three* : 4×3=12
(a) Search engine
(b) Email
(c) Scanner
(d) Hub.