

Total No. of printed pages = 3

Co-301/CA/3rd Sem/2016/N

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 *four* from the rest.

1. (a) Define the term booting. 2×7=14
- (b) What is operating system ?
- (c) What is the full form of EBCDIC ?
- (d) Differentiate between ROM and RAM.
- (e) Give two examples of multiuser operating system.
- (f) What is modem ?
- (g) Define mail merge.

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2. (a) Draw the block diagram of a computer system and explain each of the unit briefly. 10

(b) Write about primary memory in brief. 4

3. (a) Convert the following : $2 \times 4 = 8$

(i) $(152.45)_{10}$ to binary

(ii) $5AB_{16}$ to decimal

(iii) $15D_{16}$ to binary

(iv) 11100110 to octal

(b) Perform the following : $2 \times 3 = 6$

(i) 111001 - 1101 using 1's complement

(ii) 110011 - 1001 using 2's complement.

4. (a) Explain in brief the basic function of OS. 4

(b) What are the different types of OS ? Give one example of each. 4

(c) What are the differences between internal commands and external commands in DOS ? Give examples. 6

5. (a) What is Internet ? Write different services provided by the internet. 6
- (b) Write five popular search engines. 5
- (c) Differentiate between internet and WWW. 3
6. Write short notes on any *four* : $4 \times 3\frac{1}{2} = 14$
- (i) MS EXCEL
- (ii) Network topology
- (iii) MS ACCESS
- (iv) Printer
- (v) MODEM
- (vi) Hard disk.