Seat No.

B.C.A. (Part - I) (Semester - I) (Commerce Faculty) Examination, October - 2015

FUNDAMENTALS OF COMPUTER (Paper -101)

Sub. Code : 59569

Day and Date : Saturday, 31 - 10 - 2015   Total Marks : 80
Time : 03.00 p.m. to 06.00 p.m.

Instructions : 1)   **Attempt any five questions.**

2)   **Each question carries 16 marks.**

3)   **Figures to the right indicate full marks.**

Q1) a)   What is computer? Explain an organization of computers with the help of neat diagram.   [8]

b)   Define computer code. Explain BCD and EBCDIC computer codes with example.   [8]

Q2) a)   What is the use of language translator? Explain any two language translators.   [8]

b)   What is an Operating System? Explain the functions of an Operating System.   [8]

Q3) a)   Define the terms hardware and software in detail.   [8]

b)   What is memory? Explain different types of memory in detail.   [8]

Q4) a)   List and explain any two output devices with proper diagram.   [8]

b)   How to manage the files and folders in Windows operating system?   [8]

Q5) a) Explain different types of an Operating System. [8]

b) Solve the following : [8]

i) $(25)_{10} = (?)_2$ ii) $(2502)_{10} = (?)_8$

iii) $(428)_{10} = (?)_{16}$ iv) $(6.625)_{10} = (?)_2$

Q6) a) Explain any four external DOS commands with their syntax and example. [8]

b) Discuss the different types of number systems. [8]

Q7) a) What is computer language? Explain the features of good computer languages. [8]

b) Solve the following : [8]

i) $(101010)_2 = (42)_{10}$ ii) $(1670)_8 = (952)_{10}$

iii) $(0.6375)_8 = (0.812)_{10}$ iv) $(156)_8 = (1101110)_2$

Q8) Write a short note on (Any Four) : [16]

a) Mouse   b) OMR

c) Digitizer   d) Control panel

e) Flash drives   f) Windows accessories

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