Seat No.

B.C.A. (Part - I) (Semester - I) (Commerce Faculty) Examination, April - 2015
Fundamentals of Computer (Paper - 101) (Revised)
Sub. Code : 59569

Day and Date : Monday, 06 - 04 - 2015   Total Marks : 80
Time : 11.00 a.m. to 2.00 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 generations of computer.   **[8]**

    b)   What is number system? Explain binary and hexadecimal number systems with examples.   **[8]**

Q2) a)   Explain different computer languages in detail.   **[8]**

    b)   Define Operating System? And explain the structure of an Operating System.   **[8]**

Q3) a)   What is software? Explain different types of software.   **[8]**

    b)   What is secondary storage? Explain optical disc.   **[8]**

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

    b)   Discuss the components of windows desktop.   **[8]**

Q5) a)   What is need of an Operating System? Write the difference between DOS and Windows Operating System.   **[8]**

    b)   Solve the following :   **[8]**

       i) $(11001)_2 = (?)_{10}$ ii) $(4706)_8 = (?)_{10}$

       iii) $(1AC)_{16} = (?)_{10}$ iv) $(110.101)_2 = (?)_{10}$

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

b) Discuss the different types of computer codes. [8]

Q7) a) What is compiler? Explain importance of compiler. [8]

b) Solve the following : [8]

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

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

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

a) CRT.

b) Screen Image Projector.

c) Primary Memory.

d) Windows Explorer.

e) Windows Accessories.

f) Assembler.

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