

Seat No.	
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B.C.A. (Commerce Faculty) (Part - I) (Semester - I)
(Revised) Examination, April - 2017
FUNDAMENTALS OF COMPUTERS
Sub. Code : 59569

Day and Date : Monday, 10 - 04 - 2017**Total Marks : 80****Time : 11.00 a.m. to 2.00 p.m.**

- Instructions :**
- 1) Attempt any four questions from Q1 to Q7.
 - 2) Each question carries 16 marks.
 - 3) Figures to the right indicate full marks.
 - 4) Q8 is compulsory.

- Q1) a)** What is Computer? Explain history and evolution of computer. **[8]**
b) Define number system. Explain octal and hexadecimal number systems with examples. **[8]**
- Q2) a)** Explain the following DOS commands with their syntax and examples: **[8]**
i) DATE
ii) COPY
iii) FORMAT
iv) DISKCOPY
b) List and explain any two output devices with proper diagram. **[8]**
- Q3) a)** Define language translator. Explain compiler and interpreter. **[8]**
b) Solve the following: **[8]**
i) $(11010011)_2 = (?)_{10}$
ii) $(46)_{10} = (?)_8$
iii) $(ABC)_{16} = (?)_8$
iv) $(2AB)_{16} = (?)_2$

- Q4)** a) What is software? Explain types of software in detail. [8]
b) Define primary memory? Explain different types of primary memory in detail. [8]
- Q5)** a) Explain scanner devices with their diagram. [8]
b) Explain the structure and features of an Operating System. [8]
- Q6)** a) What is Machine Language? Explain advantages and disadvantages of machine language. [8]
b) Discuss ASSCII and EBCDIC computer codes in detail. [8]
- Q7)** a) Explain applications of computer in various fields. [8]
b) Solve the following: [8]
i) $(562)_8 = (?)_2$
ii) $(11010011)_2 = (?)_{16}$
iii) $(36)_{10} = (?)_2$
iv) $(D6C1)_{10} = (?)_{10}$
- Q8)** Write a short note on (Any Four): [16]
a) Secondary Memory.
b) Joysticks.
c) Touch Screen.
d) Optical Disks.
e) Windows Accessories.
f) Control Panel.