

# END TERM EXAMINATION

FIRST SEMESTER [BBA] DECEMBER 2013

**Paper Code: BBA107  
BBA(B&I)107  
BBB(TTM)107**

**Subject: Introduction to IT**

**Time: 3 Hours**

**Maximum Marks: 75**

**Note: Attempt all questions. All questions carry equal marks.**

Q. 1 a) Distinguish between Analog, Digital and Hybrid computers. Use examples to support your answer. 6

b) List the distinguishing features in computers from first generation to fifth generation both in terms of hardware and software. 9

Q. 2 a) Explain the working of a computer system using a diagram indicating clearly the flow of data/instructions across various units. 9

b) Convert  $(27)_8$  into binary equivalent and vice versa. 6

Q.3 a) Using 2's complement, calculate the following: 5  
 $01000110 + 00011011$

b) Distinguish between 5+5  
(i) Micro and Mainframe systems  
(ii) Systems and Applications Software

Q. 4 Explain the following: 3x5=15

- a) OCR
- b) OMR
- c) MICR
- d) Bar Coding
- e) Impact vs Non-Impact printers

Q. 5 a) Explain briefly various types of ROM. 5

b) What is Cache Memory? Explain why is it required? 4

c) Contrast between CD, DVD and Flash Memory. 6

Q. 6 a) What is an Operating System and why do we need it? 4

b) What are the major functions of an operating system? 5

c) What is 'Recycle bin' in Windows operating system? 3

d) Explain the concept of file and folders/directory in the windows operating system. 3

Q. 7 Explain the following: 5+5+5

- a) LAN, MAN, WAN
- b) Simplex, Half Duplex and Full Duplex
- c) Bus topology

Q. 8 a) Contrast between Analog and Digital transmission. 5

b) Contrast between formula and function in spreadsheets. Give example. 5

c) Explain the cut-paste and copy-paste options in a word processor. 5