2016

M B A

1st Semester Examination

COMPUTER APPLICATIONS IN BUSINESS (THEORY)

PAPER—MBA-108

Full Marks : 50

Time : 1½ Hours

The figures in the right-hand margin indicate full marks.

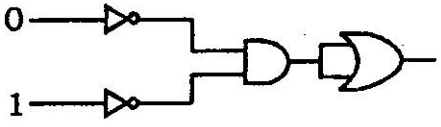
Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

(First Half)

1. Answer any *four* questions of the following : 5×4

(a) Define Boolean logic? State the output of the following circuit.



(b) What is a computer? State major characteristics of the computer.

(c) Differentiate between Unix system and Windows system.

(d) What are the differences between data and information ? Why do we need a database system ? Give example.

(e) Draw a block diagram of a computer system and briefly explain its component.

(f) What do you mean by Entity, attributes and keys in a DBMS ?

2. Answer any *two* questions : 2×10

(a) Perform the given operations : 2×5

(i) $(12345)_{10} = (?)_2$

(ii) $(25)_{10} - (35)_{10}$ Using 2's complement.

(iii) $(110010)_2 * (101101)_2$

(iv) $(1011100110110)_2 = (?)_{10}$

(v) $(B3F2)_{16} = (?)_{10}$

(b) Briefly explain the generations of computer stating advantages and disadvantages. 10

(c) (i) What is an operating system ? List some of the goals of an operating system.

(ii) Prove De Morgan's law using truth table.

5+5

[Internal Assessment : 10 Marks]