

**NEW**

**2015**

**MBA 1st Semester Examination**

**COMPUTER APPLICATIONS IN BUSINESS**

**PAPER—108**

*Full Marks : 50*

*Time : 1  $\frac{1}{2}$  Hours*

*The figures in the 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 )**

**[Marks : 50]**

1. Answer any *four* questions of the following : 4×5
- (a) State the difference between RAM and ROM.
  - (b) Why do we need 2's complement for subtraction ?
  - (c) What is a logic gate ? Give the truth table XOR and AND gate.
  - (d) State the advantage of fifth generation computer.

*(Turn Over)*

- (e) Classify different types of Computers.
- (f) What is functional dependency ? Explain with example.

2. Answer any *two* questions : 2×10

(a) Perform the given operations : 5×2

- (i)  $(276.58)_{10} \rightarrow (?)_2$
- (ii)  $(110110)_2 - (10010)_2$
- (iii)  $(3492)_{16} \rightarrow (?)_{10}$
- (iv)  $(111010101)_2 \rightarrow (?)_{10}$
- (v)  $(11001)_2 * (110)_2$

(b) (i) What is the difference between internet and intranet ?

(ii) Explain the meaning of the following with respect to DBMS.

(a) Primary key

(b) Attribute

(c) Truncate

(d) Rename. 6+4

(c) (i) Write the truth table and circuit of half adder.

(ii) Find the 2's complement of  $(100101)_2$ .

(iii) How many half adders are needed to add 2 two bit numbers ? 6+2+2

**[ Internal Assessment : 10 ]**

---