

2014

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.

1. Answer any four questions of the following : 5×4
- (a) Distinguish between I-time and E-time.
 - (b) What is the difference between 1's complement and 2's complement.
 - (c) State the advantages of DBMS over file management system.
 - (d) What is an Operating System? Briefly explain file management of a computer system.
 - (e) Briefly explain the three level of architecture of a DBMS.
 - (f) Briefly discuss the functions of TCP and IP protocol.

(Turn Over)

2. Answer any *two* questions : 2×10

(a) Convert the following : 2×5

(i) $(1110011.1101)_2 = (?)_{10}$

(ii) $(101011101.11)_2 = (?)_{16}$

(iii) $(4652.437)_{10} = (?)_8$

(iv) $(ABC.D)_{16} = (?)_8$

(v) $(7624)_8 = (?)_2$

(b) (i) Prove $A + \bar{A}B = A + B$.

(ii) What is an XOR gate? Briefly explain giving the circuit diagram and truth table. 4+6

(c) (i) Discuss the advantages and limitations of DBMS.

(ii) Explain the meaning of following (any two) :

6+4

(a) DDL ;

(b) TUPLE ;

(c) Relation ;

(d) Drop table.

[Internal Assessment : 10 Marks]
