

OLD

Part-I 3-Tier

2015

COMPUTER APPLICATIONS & E-COMMERCE

PAPER—II

(Honours & General)

Full Marks : 50

Time : 1 Hour 30 minute

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.

Group—A

[Theory]

1. Answer any two questions : 3×2

(a) What are different types of software? 3

(Turn Over)

(b) What are basic differences between 3rd Generation Computer and 4th Generation Computer. 3

(c) Write down schematic diagram of computer devices and also mention their main functions. 3

(d) What do you mean by E-Commerce? Give example. 3

2. Answer any *three* of the following : 8×3

(a) (i) What are basic differences between software and hardware?

(ii) What is processor? What are the differences between processor and memory of a Computer?

4+4

(b) (i) What are basic concepts of Number System? Give examples of each.

(ii) Convert the following :

(a) $(110101)_2 = (?)_{10}$

(b) $(111)_{10} = (?)_2$

4+4

(c) Find out following :

(a) $(10699)_{10} = (?)_8$

(b) $(1234)_8 = (?)_{16}$

(c) Add 0.111_2 and 0.10_2 .

(d) Subtract $(0110)_2$ from (1101_2) to its left.

2×4

(d) What are different types of memories of Computer?
Write down few words about four of them. 4+4

(e) Write down short notes on :

(i) Mainframe Computer

(ii) Micro-Computer. 4+4

(f) Write down various Network Topologies. 8

3. Answer any *one* question : 15

(a) (i) What do you mean by E-mail? What are its advantages and disadvantages?

(ii) What are basic principles of Database Management System?

(iii) Write down functions of DBMS.

(2+6)+4+3

- (b) What do you mean by Computer Memory? Briefly explain the different types of Computer Memory. What are the functions of Computer Memory?

3+7+5

[Internal Assessment — 5 marks]
