47 (2) COAP 2.5

2013

COMPUTER APPLICATIONS

Paper : 2.5

Full Marks : 80

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Answer the following questions :   1×5=5

    (a) What do you mean by a foreign key ?

    (b) Name the first phase of system development life cycle.

    (c) What do you mean by 'Relation' ?

    (d) What is VB IDE ?

    (e) Write down the syntax for declaring a variable in a VB program.

2. Define the following terms : *(any five)* 2×5=10

    (a) VB Project

    (b) System

(c) DBMS

(d) Entity

(e) Attributes

(f) DBA

3. Answer the following questions : *(any three)*

5×3=15

(a) Briefly discuss about the importance of database management system.

(b) What is Payback period ? Discuss briefly.

(c) Explain briefly about sorting and indexing.

(d) What do you mean by graphic device interface ? Discuss.

4. Answer *any two* of the following questions :

(a) Explain the three-level architecture of database system. Mention the basic roles of a DBA.

7+3=10

(b) What do you mean by system model ? Briefly discuss about the Waterfall model.

3+7=10

(c) What do you mean by economic feasibility of system ? Briefly discuss the importance of Cost-benefit analysis.   5+5=10

5. Answer *any two* of the following questions :

(a) Write down the different steps in VB to find the average of two numbers.   10

(b) What do you mean by GUI ? Explain the different components of GUI.   10

(c) Mention some modern areas where computers and technology are used.   10

6. Write short notes on *any two* of the following :

5×2=10

(a) Windows Programming

(b) Menus in VB

(c) System Analysis

(d) Event driven Programming.