B.Sc. Semester-II (Honours) Examination, 2018
COMPUTER SCIENCE

Subject Code : 21503   **Course Code : SH/CSC/203/GE-2**

Time: 1 Hour 15 Minutes   **Full Marks: 25**

The figures in the margin indicate full marks.

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

Answer all questions either from Group-A *or from* Group-B

Group–A
Course Title : Introduction to Database Systems
(Marks: 25)

1. Answer *any five*:   1×5=5
   (a) What is DBMS?
   (b) Define Datamodel.
   (c) What is Primary Key?
   (d) What is Entity?
   (e) Define attribute.
   (f) What is SQL?
   (g) What do you mean by normalization?
   (h) What is the difference between DELETE and TRUNCATE Commands?

2. Answer *any two*:   5×2=10
   (a) What are the advantages of DBMS?   5
   (b) What is functional dependency? What is 3NF?   2+3=5
   (c) Define weak entity, cardinality ratio of a relationship with suitable example.   2.5×2=5
   (d) Illustrate Network Datamodel with suitable example.   5

3. Answer *any one*:   10×1=10
   (a) What is a query? Write an SQL SELECT statement to display all the columns of the STUDENTS (Name, Dept, Roll No, Grade) table but only those rows where Grade ≥ 60. Name and briefly describe the five SQL built-in functions.   2+3+5=10
   (b) Write short notes on: 5+5=10
       (i) E-R diagram
       (ii) Three level data abstraction

Group–B
Course Title : Programming in Visual Basic
(Marks: 25)

1. Answer *any five*: 1×5=5

   (a) What is user interface?

   (b) What is function in VB?

   (c) What is implicit declaration?

   (d) What is Msg Box ( )?

   (e) What is data-bound control?

   (f) What is OLEDB in VB?

   (g) What is IDE?

   (h) List out controls which does not have events.

2. Answer *any two*: 5×2=10

   (a) Explain difference between Image Control and Picture Control.

   (b) How control array is created and used?

   (c) Discuss following variable types: Variant type, Boolean type variable 2.5×2=5

   (d) Discuss the procedure of creating menu in VB.

3. Answer *any one*: 10×1=10

   (a) Explain procedures in VB, with suitable examples.

   (b) Write short notes on: 5×2=10
      (i) Access key
      (ii) Cancel button
      (iii) Checkbox control
      (iv) Combobox control
      (v) Messageboxes

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