Paper – 104: Visual Programming with Database Concepts (New Course)

Time: 3 Hours April - 2017 - Code: 9627 **Total Marks: 100**

Q-1 Answer the following questions. [20]

a) What do you mean by IDE? Explain in brief.
b) Explain sub procedure in detail.
c) Explain looping structure available in VB.
d) Explain timer control and scroll bar control.

OR

Q-1 Answer the following questions. [20]

a) List various decision making statements available in VB. Explain in detail.
b) Explain listbox control with notable properties and example.
c) Explain functions in detail. Give one example.
d) Explain advance Active X control in brief.

Q-2 (A) Write a short note on MDI. [10]

(B) Write code for this: Take one input from user and print the multiplication table of that number. (For example: 5*1=5.....5*10=50) [10]

OR

Q-2 (A) Explain Imagebox control with all properties. Also give example. [10]

(B) Write a menu driven program to design Notepad for the following menu: File and Edit [10]

Q-3 (A) Write a short note on Exception handling. [10]

(B) What do you mean by ADO in VB? Explain in detail [10]

OR

Q-3 Design interface for student table (Field name: stud_id, stud_name, course, total_marks). Also apply the facility for addition, updation and deletion of data using ADD, UPDATE and DELETE command buttons. [20]

Q-4 (A) What is Normalization? Explain 1NF, 2NF, 3NF in detail. [10]

(B) Write a note on role of DBA. [10]

OR

Q-4 (A) What is E-R diagram? Explain E-R diagram with example. [10]

(B) Define the following terms: [10]

1. DBMS
2. RDBMS
3. Relationship
4. Database
5. Data integrity
6. Entity
7. Attribute
8. Domain set
9. Information
10. Data consistency

Q-5 (A) Why we use table in MS Access? How can we create a table? What are the required data types used in table? Explain it. [10]

(B) What is Constraint? Explain primary key and foreign key constraints. [10]

OR

Q-5 Explain the following functions with purpose, syntax and example: [20]

1. Datediff()
2. Time()
3. Asc()
4. Instr()
5. Sqr()
6. Mid()
7. Log()
8. Strcom()
9. Ltrim()
10. Len()
