

Seat No.	
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B.C.A. (Part - III) (Semester - V) (New) Examination, October - 2015

VISUAL PROGRAMMING (Paper - 505)

Sub. Code : 66419

Day and Date : Wednesday, 28 - 10 - 2015

Total Marks : 80

Time : 03.00 p.m. to 6.00 p.m.

- Instructions:**
- 1) Q.No. 8 is compulsory.
 - 2) Solve any four questions from Q.No. 1 to Q.No. 7.
 - 3) All questions carry 16 marks.

Q1) Explain architecture of .NET framework with neat diagram. **[16]**

Q2) a) Explain connected architecture of .ADO NET in detail. **[8]**

b) Explain dataset with example. **[8]**

Q3) Describe client side and server side state management. **[16]**

Q4) a) Explain pass by value and pass by reference with example. **[8]**

b) What is partial class? Explain partial class with example. **[8]**

Q5) a) Explain any four validation controls in detail. **[8]**

b) Write a program for swapping of two numbers without using 3rd variable. **[8]**

Q6) a) What is JIT compiler? Explain its types. **[8]**

b) Explain disconnected architecture of .ADO. NET in detail. **[8]**

Q7) Write web application for student details to manipulate database by considering proper database structure. [16]

- a) Insert
- b) Update
- c) Delete
- d) Search

Q8) Write short notes on (Any Four) [16]

- a) Data Reader
- b) Data Adapter
- c) CLR
- d) Boxing & Unboxing
- e) Request

