P (Printed Pages 4)

17/79-C

B.C.A. (Fifth Semester) Examination, 2017

Paper : First (503)

(.Net,Frame-Work And C#)

Time : Three Hours] *[Maximum Marks : 70*

Note : Attempt questions from all sections as per instructions.

Section - A

(Very Short Answer Type Questions)

Note: Attempt all parts of this question. Give answer of each part in about 50 words.

$1\frac{1}{2} \times 10 = 15$

1. (a) Define Framework.

   (b) What is class library?

   (c) What are the data types used in C#?

   (d) Define Object.

   (e) Write five names of Input/Output commands in C#.

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(2)

   (f) Define networking in .Net framework.

   (g) What do you mean by web services?

   (h) Define COM in C#.

   (i) What do you mean by unsafe mode?

   (j) What is meant by Run-time?

Section - B

(Short Answer Type Questions)

Note : Attempt all questions. Give answer of each question in about 200 words. $7 \times 5 = 35$

2. Explain just-in-time compilation in detail.

OR

Write the properties of .Net framework.

3. Differentiate between variables and identifiers with suitable example.

OR

Write the features of object oriented concept in detail. https://www.vbspustudy.com

4. What do you mean by threading? Explain multithreading concept in C#.

17/79-C

OR

Explain error handling with suitable example.

5. What are the features of windows services in C#?

OR

Explain messaging reflection in C#.

6. What are the distributed application used in C#?

OR

Explain graphical device interface in C#.

Section - C

(Long Answer Type Questions)

Note: Attempt any **two** questions. Give answer of each question in about **500** words.

$$10 \times 2 = 20$$

7. Write a program in C# to add two numbers without using third variable using. Net framework.

8. Differentiate between XML and C# in detail.

9. What is common type system? Also explain common language specification.

10. Explain the following :

    (a) Web application in C#.

    (b) Namespace systems

    (c) Sockets

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

    (a) Localization

    (b) Data handling

    (c) Strings