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**J—02—2019**

**FACULTY OF SCIENCE**

**B.Sc. (CS) (Third Year) (Fifth Semester) EXAMINATION**

**MARCH/APRIL, 2019**

**(CBCS Pattern)**

**COMPUTER SCIENCE**

(Windows Programming With C# .Net)

**(Friday, 12-4-2019)**

**Time : 10.00 a.m. to 1.00 p.m.**

*Time—3 Hours*

*Maximum Marks—75*

*N.B. :— (i) All questions are compulsory.*

*(ii) Figures to the right indicate full marks.*

1. Attempt any *five* of the following : 15
  - (a) Explain intelligence in visual studio.
  - (b) Explain properties of windows form.
  - (c) Explain out parameter in detail.
  - (d) Write a short note on events in C# .Net
  - (e) Explain finally block.
  - (f) Write a short note on ADD.Net.
  - (g) Explain project types in C# .Net.
2. Attempt any *two* of the following : 10
  - (a) Explain .Net architecture.
  - (b) Explain components of IDE.
  - (c) Explain CLR in detail.
3. Attempt any *two* of the following : 10
  - (a) Write a program to calculate factorial of a number using windows form.
  - (b) Explain dialog boxes in C# .Net.
  - (c) Explain textbox and button control with properties.

P.T.O.

4. Attempt any *two* of the following : 10
  - (a) Explain C++ function.
  - (b) Explain Arraylist class with examples.
  - (c) Write a program for call by reference.
5. Attempt any *two* of the following : 10
  - (a) Explain multicast delegates in detail.
  - (b) Explain properties in C# .Net.
  - (c) Write a program to demonstrate delegates.
6. Attempt any *two* of the following : 10
  - (a) Explain how to create and use namespace.
  - (b) Explain interfaces in detail.
  - (c) Explain try, catch blocks in detail.
7. Attempt any *two* of the following : 10
  - (a) Explain ADD.Net in detail.
  - (b) Explain how to update and retrieve data from tables.
  - (c) Explain advantages of ADO.Net.