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## SF—03—2022

## FACULTY OF SCIENCE & TECHNOLOGY

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

### MAY/JUNE, 2022

### (CBCS/Revised Course)

WINDOWS PROGRAMMING

Paper BCS-501

**(Wednesday, 29-06-2022)**  **Time : 9.30 a.m. to 1.15 p.m.**

*Time*— 3.45 *Hours*  *Maximum Marks*—75

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

(*ii*)  Draw neat labelled diagrams wherever necessary.

1.  Attempt any *five* of the following  (3 marks each) :  15

(*i*)  Explain different project types in .Net

(*ii*)  Explain the concept intellisence.

(*iii*)  Explain checkbox & radio button.

(*iv*)  Explain call by reference with example.

(*v*)  Explain properties with example.

(*vi*)  Explain finally block with example.

(*vii*)  Explain .NET framework.

2.  Attempt any *two* of the following  (5 marks each) :  10

(*i*)  Explain .Net architecture in detail.

(*ii*)  Explain common language runtime in detail.

(*iii*)  Explain different IDE components.

P.T.O.

3. Attempt any *two* of the following (5 marks each) : 10

   (*i*) Explain creating and customizing windows form.

   (*ii*) Explain textbox & label control with examples.

   (*iii*) Explain different types of dialog boxes in C#.Net.

4. Attempt any *two* of the following (5 marks each) : 10

   (*i*) Explain out parameter with example.

   (*ii*) Explain array list class & its methods.

   (*iii*) Explain the use of String class with example.

5. Attempt any *two* of the following (5 marks each) : 10

   (*i*) Explain indexes with example.

   (*ii*) Explain multicast delegates in detail.

   (*iii*) Explain custom events with example.

6. Attempt any *two* of the following (5 marks each) : 10

   (*i*) Explain exception handling using try & catch block.

   (*ii*) What is namespace ? Explain how to create and use namespace.

   (*iii*) What is interface ? Explain in detail.

7. Attempt any *two* of the following (5 marks each) : 10

   (*i*) Explain architecture of ADO.Net.

   (*ii*) Explain different steps to develop ADO.Net application.

   (*iii*) Explain advantages of ADO.Net.