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GF—06—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CS) (Fifth Semester) EXAMINATION

APRIL/MAY, 2023

(CBCS/Revised Pattern)

COMPUTER SCIENCE

Paper AF-06

(Windows Programming)

(Thursday, 20-4-2023)

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

Time—Three Hours

Maximum Marks—75

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

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if required.

(iv) Use of any electronic media such as mobile phone, digital diary and electronic calculator is not permitted.

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

(a) Explain visual studio and IDE components in detail.

(b) Explain intelligence in Visual Studio IDE.

(c) Explain textbox and label control with properties.

(d) Explain String class and its methods.

(e) Explain properties in detail.

(f) Explain finally block in detail.

(g) Explain advantages of ADO.Net.

P.T.O.

2. Attempt any *three* of the following (5 marks each) : 15
- (a) Explain Common Language Runtime (CLR) in detail.
 - (b) Explain .Net architecture in detail.
 - (c) Explain Listbox and Combobox controls.
 - (d) Explain Array and Array List class.
 - (e) Explain indexers with example.
3. Attempt any *three* of the following (5 marks each) : 15
- (a) What is interface ? Explain creating and using interfaces.
 - (b) What is exception handling ? Explain in detail.
 - (c) Explain how to connect SQL Server using ADO.Net.
 - (d) Explain jagged array in detail.
 - (e) Explain disconnected data access in detail.
4. Attempt any *three* of the following (5 marks each) : 15
- (a) Explain creating and using name spaces.
 - (b) Explain different types of dialog boxes in detail.
 - (c) Explain Out parameter in detail.
 - (d) Explain multicast delegates with example.
 - (e) Explain how to retrieve and update data stored in database server.
5. Write short notes of any *three* of the following (5 marks each) : 15
- (a) Explain Common Type System (CTS).
 - (b) Explain call by value in detail.
 - (c) Explain different project types.
 - (d) Explain differences between Java and C#.
 - (e) Explain button, check boxes and radio button.