

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024
(Fourth Semester)

Branch – COMPUTER TECHNOLOGY

APPLICATION FRAMEWORK

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 What is the extension of a C# language file?
(i) .c (ii).cpp (iii).cs (iv) .csp
- 2 State the purpose of *foreach* control structure.
(i) Entry (ii)Exit (iii) Iteration (iv) Skip
- 3 Which types of class does not have its own objects but acts as a base class for its subclass in C#?
(i) Abstract Class (ii) Static Class (iii) Sealed Class (iv) Protected Class
- 4 Which of the following is NOT a server control in ASP.NET?
(i) TextBox (ii) Label (iii) Button (iv) JavaScript
- 5 How do you execute multiple SQL statements using a DataReader?
(i) Call the ExecuteReadermethod of two Command objects and assign the results tothe same instance of a DataReader.
(ii) Call the ExecuteReadermethod of a single Command object twice.
(iii) Set the Command.CommandTextproperty to multiple SQL statements delimited by a semicolon.
(iv) Set the Command.CommandTypeproperty to multiple result sets.

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Bring out the applications of C#.
OR
b Write a C# program to display a string using sleep () and delay () methods.
- 7 a How do you define a class in C#? Give example.
OR
b Compare the different controls used for Windows Programming in C#.
- 8 a Analyze about the C# Menu and Tool Bar.
OR
b Narrate the Common Dialogue Control in C#.NET.
- 9 a Describe about ASP.NET Runtime environment.
OR
b Narrate shortly about Input Validation using ASP.NET.
- 10 a How can you update the databases?
OR
b Explain about reading the data with the dataset in ADO.NET.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Analyze in detail about Branching Statements in C#. Give examples.
OR
b Enumerate different Operators and Expressions used in C#.
- 12 a Discuss in detail about defining members and properties.
OR
b Discuss about hiding the Base Class Methods.
- 13 a Highlight the Building Procedures for MDI form for Windows Applications.
OR
b Distinguish between Font Dialogue and Color Dialogue in Windows Forms.
- 14 a Analyze about the File System and Explain about the data access from the files in ASP.NET runtime Environment.
OR
b Examine the Classes for Input and Output in .NET.
- 15 a Discuss about Classes and Objects in ADO.NET environment.
OR
b Summarize about XML and ADO.NET in a dataset.

Z-Z-Z

END