

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCA DEGREE EXAMINATION MAY 2022
(Fourth Semester)

Branch – COMPUTER APPLICATIONS

DISTRIBUTED TECHNOLOGIES

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

- 1 Which of the following components of the .NET frame work provide an extensible set of classes that can be used by any .NET compliant programming language?
(i) .NET class libraries (ii) Common Language Runtime
(iii) Common Language Infrastructure (iv) Component Object Model
- 2 Which of the following is the root of the .NET type hierarchy?
(i) System Parent (ii) System Type
(iii) System Base (iv) System Object
- 3 What class does the ASP.NET web Form class inherit from by default?
(i) System .Web. form (ii) System .Web .UI. form
(iii) System .Web. GUI. Page (iv) System .Web. UI. Page
- 4 Which is the first event of the ASP.NET page, when the user requests a web page?
(i) Preload (ii) Load
(iii) PreInit (iv) Init
- 5 Which language is not a true object – oriented programming language?
(i) VB.NET (ii) V B 6
(iii) C++ (iv) C#
- 6 Which is not a property of the Common control class?
(i) Show (ii) BackColor
(iii) Font (iv) ForeColor
- 7 _____ represents a Windows picture box control for displaying an image.
(i) Progress Bar (ii) Picture box
(iii) Status bar (iv) Combo box
- 8 _____ control is used to provide an identifiable grouping for other controls.
(i) Frame (ii) Label
(iii) List box (iv) Command button
- 9 _____ object is used to fill a Dataset/ Data table with query results in ADO.net
(i) DataReader (ii) Dataset
(iii) DataAdapter (iv) DataTables
- 10 Which data provider gives the maximum performance from a connection to SQL Server?
(i) The OLE DB data provider (ii) The JDBC data provider
(iii) The SqlClient data provider (iv) The Oracle data provider

Cont...

SECTION - B (25 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a What is .NET Framework? List the advantages of .NET.
OR
b Describe the different data types in ASP.NET.
- 12 a Differentiate Value Types and Reference types with example.
OR
b Summarize ASP.NET Applications.
- 13 a How to design, implement and execute an application in .Net?
OR
b Illustrate the function of formatting Calendar and restricting dates.
- 14 a Discuss about the properties of InputBox() function.
OR
b Write about Timer Control with example.
- 15 a Explicate the data components in .NET.
OR
b Create a secure ASP.NET web forms app with user registration and email confirmation.

SECTION -C (40 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Explicate the different types of operators with necessary examples.
OR
b Describe about different conditional structures with example.
- 17 a Illustrate the steps to set up a ASP.NET and IIS.
OR
b Discuss about the usage of ASP.NET classes and ASP.NET configuration.
- 18 a Create a Bio – Data for and validate it using Validation Control.
OR
b (i) Create an advertisement using Ad Rotator Control (4Marks).
(ii) Write a program to display holidays in a month using Calendar control.
(4Marks).
- 19 a Expound the different types of Function call and its arguments with example.
OR
b (i) Differentiate Group Box control and Combo Box control (4Marks).
(ii) Differentiate Track- bar control and Progress bar control (4Marks).
- 20 a Create an application for customer details to read and display the data using ADO.NET.
OR
b Develop a symposium registration application using Data grid to add, edit and modify records in the database.