PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MCA DEGREE EXAMINATION MAY 2019
(Second Semester)

Branch - COMPUTER APPLICATIONS

DISTRIBUTED PROGRAMMING

Time: Three Hours   Maximum: 75 Marks
SECTION-A (10 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (1 0 x 1 = 10)

1 The .NET framework makes language integration possible with a specification
called the_____ .
(i) Common Type System   (ii) Common Type Struts
(iii) Component Type System   (iv) Complied Type System

2   An____ is a distinct value type, consisting of a set named constant.
(i)   Whitespace   (ii) Enumerations
(iii)   Expressions   (iv) Variables

3   An_____ modifier determines which class methods of other classes can see and
use a member variable or method within this class.
(i)   Private   (ii) Public
(iii)   Access   (iv) Internal

4   If you overload the _ operator it is recommended that you also override the virtual
Equals () method provided by object and route its functionality back to the equals
operator.
(i)   AND   (ii) Conversion
(iii)   Logical   (iv) Equality

5   ____ overloaded public static method that instantiates a new instance of an array.
(i)   CreateInstance ()   (ii) Sort ()
(iii)   IsReadOnly   (iv) Reverse()

6   _____ returns the substrings delimited by the specified characters in a string array.
(i)   ToLower ()   (ii) Split ()
(iii)   ToUpper()   (iv) ToCharArray()

7   The___ control's Text property contains the text string to be displayed.
(i)   Checkbox   (ii)   ListBox
(iii)   Label   (iv) CheckBoxList

8   The_____ control has many properties for controlling the behaviour of an
advertisement.
(i)   FileUpload   (ii)   AdRotator
(iii)   Calender   (iv) Wizard

9   When one user is working with a record, others users can read the records but they
cannot update them. This is called ___ record locking.
(i)   Pessimistic   (ii)   Optimistic
(iii)   Concurrency   (iv) Modify

10   The key class is the_____ , which is located in the System.Data namespace.
(i)   DataTable   (ii)   DataSet
(iii)   DataRow   (iv) DataColumn

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

11 a Explain the .Net Framework with its architecture.
<div align="center">OR</div>

   b Demonstrate the using keyword in C# Syntax with examples.

12 a Illustrate about Classes and Objects in C# Syntax with example.
<div align="center">OR</div>

   b Elucidate in brief Overloading Methods and Constructors with example.

13 a Translate Sorting Arrays used in C# Arrays with example.
<div align="center">OR</div>

   b Justify Splitting Strings used in C# with example.

14 a Point out TextBox Control in ASP.NET Syntax with example.
<div align="center">OR</div>

   b Paraphrase CheckBox Control in ASP.NET Syntax with example.

15 a Describe in brief about various GridView Controls in ASP.NET with examples.
<div align="center">OR</div>

   b Analyze various types of DataList Controls in ASP.NET Syntax with examples.

SECTION -C (40 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks (5 x 8 = 40)
Question no. 16 is compulsory

16   Martin is working as a junior programmer in High Fi Software Solutions, which is a software development company involved in developing applications in C, Java and C# programming languages. The Project Manager of Martin has asked him to create an application for converting a number into its equivalent binary format. Martin has to develop the application for an Overseas Client, Tech Soft Solutions. How should Martin create the application?

17 a Explicate different types of Operators in C# with examples.
<div align="center">OR</div>

   b Clear Up Syntax with examples Defining and Implementing an interface.

18 a Rephrase about the Catch Statement in C# Syntax with examples.
<div align="center">OR</div>

   b Show by Example about Rethrowing in C# Exceptions.

19 a Illuminate AdRotator Control in ASP.NET with examples.
<div align="center">OR</div>

   b Elucidate about various States in Web Site Fundamentals used in ASP.NET with examples.

20 a Enumerate various methods used in DataAdapter Object using ASP.NET with examples.
<div align="center">OR</div>

   b Translate in detail about Stored Procedures with examples.

<div align="center">Z-Z-Z   END</div>