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M.Sc. (Third Semester)
EXAMINATION, Dec. - Jan., 2021-22
COMPUTER SCIENCE
Paper First
(.Net Technology)

Time : Three Hours] [Maximum Marks :100

[Minimum Pass Marks :40

Note: Question paper is divided into four sections (A, B, C and D)

Section - A

(Objective/Multiple Choice Questions)

Note : Attempt All questions. (1 Mark Each)

Choose the correct answer and write it in your answer book.

1. The .... compiles the applications to Microsoft Intermediate Language (MSIL) and not Machine code.

    (A) CIS

    (B) CLR

    (C) CLS

    (D) FCL

2. What is CTS in .NET?

    (A) Defines a set of rules for all compilers to generate manage code for .NET.

    (B) Describes a set of features that different languages have in common

    (C) Define rules concerning data types

    (D) None of the above

3. The .Net .is a collection of reusable types that are integrated with the-

    (A) Common language Specification (CLS)

    (B) Common language Runtime (CLR)

    (C) Common type System (CTS)

    (D) Frame work Class Library (FCL)

4. Which of the following is not a .NET compatible language?

    (A) C #

    (B) J #

    (C) V B. Net

    (D) Java

5. The default property for a textbox control is?

    (A) Text

    (B) Enable

    (C) Multiline

    (D) Password Char

6. Which is not a main component of the visual studio IDE?

   (A) Solution Explorer

   (B) Tool Box

   (C) Start Menu

   (D) Designer Window

7. Visual studio .Net provides which feature?

   (A) Debugging

   (B) Application deployment

   (C) Syntax Checking

   (D) All of the above

8. Which of the following data types is used for logical?

   (A) bool

   (B) char

   (C) byte

   (D) .net

9. Which language is case sensitive?

   (A) XML

   (B) HTML

   (C) Both (A) & (B)

   (D) None of the above

10. The XML DOM object is ....

    (A) Entity

    (B) Comment Data

    (C) Entity Reference

    (D) Comment Reference

11. Comment in XML document is given by -

    (A) <?-- -->

    (B) <!-- --!>

    (C) <!-- -->

    (D) </*-- --*/>

12. Which is not a XML function ?

    (A) Transport Information

    (B) Style Information

    (C) Store Information

    (D) Structure Information

13. Which of the following object is not an ASP component?

    (A) Link Counter

    (B) Counter

    (C) Ad Rotator

    (D) File Access

14. What Class does the ASP.NET Web Form Class inherit form by default?

   (A) system.web.ui. page

   (B) system.web.ui.form

   (C) system.web.cruj.page

   (D) system.web.form

15. Attribute must be set on a validator control for the validation to work.

   (A) Control to Bind

   (B) Control to Validate

   (C) ValidateControl

   (D) Validate

16. File extension used for ASP.NET-

   (A) .Web

   (B) .ASP

   (C) .ASPX

   (D) None of the above

17. Which method copies the structure of the data set. including all Data Table?

   (A) EndInit

   (B) Copy

   (C) Clone

   (D) BeginInit

18. The Data Reader object is an alternative to the -

   (A) Data Set

   (B) Date Adapter

   (C) Both (A) & (B)

   (D) None of the above

19. A...........identifies matching columns in two table of the data set -

   (A) Data Table

   (B) System Table

   (C) Root Table

   (D) Data Relation

20. The ....provides a high performance stream of data from the data source.

   (A) Data bridge

   (B) Data reader

   (C) Data object

   (D) Data Adapter

Section - B

(Very Short Answer Type Questions)

(2 Marks Each)

Note : Attempt All questions.

1. What is garbage collection ?

2. What is JIT Compiler?

3. Define MDI application.

4. What is windows form?

5. What do you mean by XML.

6. What is interfaces?

7. What is localization concept?

8. Define events.

9. What is Dataset?

10. What is MVC?

Section - C

(Short Answer Type Questions)

(3 Marks Each)

Note : All questions are compulsory-

1. What is an Assembly? What are the different types of Assemblies?

2. Explain Common type System (CTS).

3. What is method? Explain types of method.

4. Explain conditional statement.

5. Explain stream reader and stream writer class.

6. What do you meant by managed code and unmanaged code?

7. Write the difference between ASP and ASP.NET

8. Explain any four web forms controls.

9. What are the methods of XML dataset object?

10. Explain use of web services.

Section - D

(Long Answer Type Questions)

(6 Marks Each)

Note : Attempt any five questions.

1. Describe .net framework with their components.

2. What is IDE? Explain component of Visual studio IDE.

3. What do you meant by structure and enumeration? Explain with a set of code.

4. What is validations? Explain the different type of validator used in ASP.Net

5. Explain the ADO.Net architecture.

6. What is exception? Explain exception handling statements.

7. Write short note on-

   (i) XML serialization.

   (ii) Web application.