

MCQs on Unit – I , Sem- V

Q1. Which type of applications can be developed using .Net framework platform ?

- A. Console applications
- B. Windows applications
- C. Web services
- D. All the above

Ans : D

Q2. What are the two main components of .Net framework ?

- A. CLS and CTS
- B. CLR and FCL
- C. CLR and CIL
- D. CLR and JIT

Ans: B

Q3. Theprovides the services such as just-in-time compilers, garbage collection, code security, exception handling etc.

- A. Common Language Specification
- B. Common Language Infrastructure
- C. Common Language Runtime
- D. Common Intermediate Language

Ans: C

Q4. The.....defines a set of portable instructions that are independent of any specific CPU.

- A. CLR
- B. CLS
- C. CIL
- D. CLI

Ans: C

Q5. Who specify the common syntactical rules for all the .Net supporting languages ?

- A. CLR
- B. CTS
- C. CLS
- D. CIL

Ans: C

Q6. Which problem is caused when multiple applications attempt to share common DLL ?

- A. Metadata problem
- B. Assembly problem
- C. Compilation problem
- D. **DLL Hell problem.**

Ans: D

Q7. What GAC stands for ?

- A. Global Access cache
- B. **Global Assembly cache**
- C. General Assembly cache
- D. None of the above

Ans : B

Q8. In .Net , the memory allocation and de-allocation is done automatically by

- A. CLS
- B. CTS
- C. JIT
- D. **Garbage collector**

Ans: D

Q9. Which type of JIT compiler converts the called executable code and stored in cache so that it will not require converting code again?

- A. Pre JIT
- B. Econo JIT
- C. **Normal JIT**
- D. None of the above

Ans: C

Q10. Which assembly is used only by a single application?

- A. Public assembly
- B. Satellite assembly
- C. Shared assembly
- D. **Private assembly**

Ans: D

Q11. Which of the following is a logical grouping of types?

- A. Assembly
- B. **Namespace**
- C. MSIL
- D. CTS

Ans: B

Q12. Where is GAC located ?

- A. C:\Windows\Assembly
- B. C:\Windows\GAC
- C. C:\Windows\Assembly\bin
- D. None of the above

Ans: A

Q13. The smallest unit to which one can associate a version number in .Net is

.....

- A. Namespace
- B. Assembly
- C. Metadata
- D. CLS

Ans : B

Q14. The code which is developed in .Net framework during runtime is called.....

- A. Source code
- B. Native code
- C. Managed code
- D. Executable code

Ans: C

Q15. All the newly created objects are initially stored in the.....

- A. Generation 0
- B. Generation 1
- C. Generation 2
- D. None of the above

Ans: A

MCQs on Unit – II , Sem- V

Q1. Visual Basic is a tool that allows you to develop application in.....

- A. Real time
- B. Graphical User Interface
- C. Any time
- D. None of the above

Ans: B

Q2. . In visual basic the declaration of variables is done by ----- key word.

- A. int
- B. dim
- C. static
- D. declare

Ans: B

Q3. In VB.Net a variable name cannot be more than -----characters.

- A. 300
- B. 255
- C. 355
- D. 250

Ans: B

Q4. The variables that does not change during the execution of program is -----

- A. Variable
- B. Constant
- C. Numeric
- D. None of the above

Ans: B

Q.5 An Integer data type can store -----.

- A. 1Byte
- B. 2 Bytes
- C. 4 Bytes
- D. 8 Byte

Ans: C

Q.6 A-----variable is one that is declared inside a procedure.

- A. external
- B. local
- C. global

D. None of the above

Ans: B

Q.7 How many levels of compilation happens in .NET Framework?

- A. One
- B. Two
- C. Four
- D. Three

Ans : B

Q.8 What does IDE stand for?

- A. Integrated Design Environment
- B. Integrated Development Environment
- C. Interior Design Environment
- D. Interior Development Environment

Ans: B

Q.9 Which is not a main component of the Visual Studio IDE?

- A. start menu
- B. Tool box
- C. designer window
- D. Solution Explorer

Ans: A

Q.10 In event-driven programming an event is generated by:

- A. the system
- B. a user's action
- C. the program itself
- D. All of the above

Ans: D

Q.11 The Java and Visual Basic .NET belong to this type of programming language.

- A. Assembly language
- B. Machine language
- C. High level programming language
- D. Object oriented programming language

Ans: D

Q.12 A window that lists the solution name, the project name and all the forms used in the project.

- A. Properties Window
- B. Solution Explorer**
- C. Windows Form Designer
- D. Project Window

Ans: B

Q.13 To declare an integer variable in VB.NET language, which one of the following statements is true?

- A. x As Integer
- B. Dim x As Single
- C. Dim x As Integer**
- D. Dim x As Int

Ans: C

Q.14 Which of the following is a basic data type in VB.NET?

- A. Boolean
- B. Byte
- C. Char
- D. All of the above**

Ans: D

Q.15 Which of the following operator declares the parameters and code that define a function lambda expression?

- A. AddressOf
- B. Await
- C. GetType
- D. Function Expression**

Ans: D

Q.16. Which of the following operator returns the address of a procedure?

- A. GetType
- B. AddressOf**
- C. Await
- D. Function Expression

Ans: B

Q. 17 Which of the following operator uses short-circuit evaluation to conditionally return one of two values?

- A. Function Expression
- B. Await
- C. If**

D. GetType

Ans: C

Q.18. Which of the following statement declares the operator symbol, operands, and code that define an operator procedure on a class or structure?

- A. Sub
- B. Declare
- C. Operator
- D. Property

Ans: C

Q.19 Which of the following operator is applied to an operand in an asynchronous method or lambda expression to suspend execution of the method until the awaited task completes?

- A. AddressOf
- B. Await
- C. GetType
- D. Function Expression

Ans: B

Q.20 Which of the following access modifier specifies that one or more declared local variables are to continue to exist and retain their latest values after termination of the procedure in which they are?

- A. Shadows
- B. Shared
- C. Static
- D. Public

Ans: C

Q.21. Which of the following statement declares an user-defined event?

- A. Event
- B. Delegate
- C. Operator
- D. Property

Ans: A

Q.22 Which of the following statement declares an enumeration and defines the values of its members?

- A. Class

- B. Dim
- C. Enum
- D. Const

Ans: C

Q.23 Methods declared with the following modifier are not accessible outside the class.

- A. Private
- B. Protected
- C. Friend
- D. Global

Ans: A

Q.24 Select the keyword used to refer the namespace in our code in VB.Net

- A. Using
- B. Imports
- C. Include
- D. None of the above

Ans: B

Q.25 Which of the following is not applicable for console application.

- A. write data to the console
- B. read data from the console
- C. run under DOS environment
- D. supports windows GUI

Ans: D

MCQ on Java programming

Unit IV

1. What is the range of byte data type in Java?
 - a) **-128 to 127**
 - b) -32768 to 32767
 - c) -2147483648 to 2147483647
 - d) None of the mentioned
2. An expression involving byte, int, and literal numbers is promoted to which of these?
 - a) **int**
 - b) long
 - c) byte
 - d) float
3. Which data type value is returned by all transcendental math functions?
 - a) int
 - b) float
 - c) **double**
 - d) long
4. What will be the output of the following Java code?

```
class increment {  
    public static void main(String args[])  
    {  
        int g = 3;  
        System.out.print(++g * 8);  
    }  
}
```

- a) 25
 - b) 24
 - c) **32**
 - d) 33
5. Literal can be of which of these data types?
 - a) integer
 - b) float
 - c) boolean
 - d) **all of the mentioned**
 6. Which of these can not be used for a variable name in Java?
 - a) identifier
 - b) **keyword**

- c) identifier & keyword
 - d) none of the mentioned
7. Which of these is an incorrect string literal?
- a) "Hello World"
 - b) "Hello\nWorld"
 - c) "\"Hello World\""
 - d) "Hello world"
8. Is the following statement is true/false?
"An expression can be NULL, but can never equal to NULL"
- a) True
 - b) False
9. Which of the following option leads to the portability and security of Java?
- a. Bytecode is executed by JVM
 - b. The applet makes the Java code secure and portable
 - c. Use of exception handling
 - d. Dynamic binding between objects
10. Which of the following is not a Java features?
- a. Dynamic
 - b. Architecture Neutral
 - c. Use of pointers
 - d. Object-oriented