Candidate Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_

QUESTION PAPER FOR C-SHARP

**Max Time: 40 Minutes Marks: 40**

**READ THESE INSTRUCTIONS FIRST:**

Write in dark blue or black pen.

Answer **all** questions.

***Directions for questions: 1 to 20:*** Select the correct alternative from the given choices.

|  |  |  |
| --- | --- | --- |
| S.NO. | QUESTIONS | ANS |
| 1 | What will be the output of the following code snippet when it is executed?  int x = 1;  float y = 1.1f;  short z = 1;  Console.WriteLine((float) x + y \* z - (x += (short) y));   A) 0.1 B) 1.0  C) 1.1 D) 11 |  |
| 2 | What will be the output of the C#.NET code snippet given below? int val; for (val = -5; val <= 5; val++) {  switch (val)  {  case 0:  Console.Write ("India");  break;  }  if (val > 0)  Console.Write ("B");  else if (val < 0)  Console.Write ("X"); } A) XXXXXIndia B) IndiaBBBBB C) XXXXXIndiaBBBBB D) BBBBBIndiaXXXXX E) Zero |  |
| 3 | “A mechanism that binds together code and data in manipulates, and keeps both safe from outside interference and misuse. In short it isolates a particular code and data from all other codes and data. A well-defined interface controls the access to that particular code and data.” A) Abstraction B) Polymorphism C) Inheritance D) Encapsulation |  |
| 4 | What is most specified using class declaration? A) type B) scope C) type & scope D) None of mentioned |  |
| 5 | Which of the following statements are correct about static functions?  Static functions can access only static data.  Static functions cannot call instance functions.  It is necessary to initialize static data.  Instance functions can call static functions and access static data.  This reference is passed to static functions.  A) 1, 2, 4 B) 2, 3, 5 C) 3, 4  D) 4, 5 E) None of these |  |
| 6 | |  |  | | --- | --- | |  |  | |  |   The C#.NET code snippet given below generates \_\_\_\_ numbers series as output?  int i = 1, j = 1, val;  while (i < 25)  {  Console.Write(j + " ");  val = i + j;  j = i;  i = val;  A. Prime B. Fibonacci C. Palindrome  D. Odd E. Even |  |
| 7 | Boxing in .Net allows the user to convert A) a integer type to double B) a reference type to a value type C) a value type to a reference type D)a double type to integer |  |
| 8 | Different ways a method can be overloaded in C#.NET A) Different parameter data types B)Different number of parameters C) Different order of parameters D)a and b |  |
| 9 | What does the keyword virtual mean in the method definition? A) The method is public B)The method can be derived C) The method is static D) The method can be over-ridden |  |
| 10 | Does C#.NET support partial implementation of interfaces? A) True B) False C) Can’t Say D) None of the above mentioned |  |
| 11 | Which of the following statements are correct about exception handling in C#.NET? 1. If an exception occurs then the program terminates abruptly without getting any chance to recover from the exception. 2. No matter whether an exception occurs or not, the statements in the finally clause (if present) will get executed. 3. A program can contain multiple finally clauses. 4. A finally clause is written outside the try block. 5. Finally clause is used to perform clean up operations like closing the database connections.  A) 1 only B) 2 only C) 2 and 5 only  D) 3 and 4 only E) None of the above |  |
| 12 | A type of class which does not have its own objects but acts as a base class for its subclass is known as? A) Static class B) Sealed class C) Abstract class D) None of the mentioned |  |
| 13 | Which of the following is the correct output of the C#.NET code snippet given below?  1. Int [][] a = new int[2][];  a[0] = new int[4]{6, 1, 4, 3};  a[1] = new int[3]{9, 2, 7}; Console.WriteLine(a[1].GetUpperBound(0)); A) 3 B) 4 C) 7  D) 9 E) 2 |  |
| 14 | A derived class can stop virtual inheritance by declaring an override as A) inherits B) extends C) inheritable  D) not inheritable E) sealed |  |
| 15 | Consider a class math’s and we had a property called as sum’s is a reference to a math’s object and we want the statement sum = 10 to fail. Which is the correct solution to ensure this functionality? A) Declare sum property with both get and set accessors B) Declare sum property with only get accessor C) Declare sum property with get, set and normal accessors D) None of the mentioned |  |
| 16 | Which of the following statements is correct? A) The conditional logical operators cannot be overloaded. B) When a binary operator is overloaded the corresponding assignment operator, if any, must be explicitly overloaded. C) We can use the default equality operator in an overloaded implementation of the equality operator. D) A public or nested public reference type does not overload the equality operator. E) The array indexing operator can be overloaded. |  |
| 17 | Which of the following are correct ways to pass a parameter to an attribute?  1.By value 2.By reference 3.By address  4.By position 5.By name  A) 1, 2 B) 1, 2, 3  C) 4, 5 D) All of the above |  |
| 18 | Which of the following is NOT a namespace in the .NET Framework Class Library? A) System. Process B) System. Security C) System. Threading  D) System. Drawing E) System.Xml |  |
| 19 | If math class had add property with get accessors then which statements will work correctly? A) math m = new math(); B) math m = new math(); m.add = 10; m.add = m.add + 20;  C) math m = new math(); D) math.add = 20; int i; i = m.add; |  |
| 20 | What is the value returned by function CompareTo () if the invoking string is less than the string compared? A) zero B) value less than zero C) value greater than zero D) None of the mentioned |  |
| **TOTAL** | |  |

Good luck for your exam!