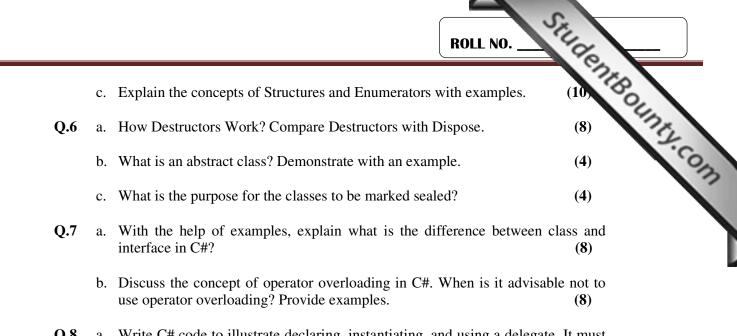
| Time: 3 | 11 | Subject: | | | °0. | |
|---|---|--|---|---|-----------------|--|
| 'ime: 3 | II. | Subjecti | C# & .NET | | - 9 | |
| | Hours | | IBER 2011 | Max. Ma | arks: 100 | |
| Pleas rece Ques the s The s the o Out ques | iving the Question ation 1 is compulse space provided for answer sheet for the commencement of of the remaining ation carries 16 ma | l No. at the spa Paper. ory and carries it in the answer he Q.1 will be c the examination g EIGHT Que urks. | 20 marks. Answer r book supplied and ollected by the invi n. estions, answer an | to Q.1 must be writt I nowhere else. gilator after 45 Minu y FIVE Questions. | en in tes of | |
| | y required data not explicitly given, may be suitably assumed and stated. Choose the correct or the best alternative in the following: (2×10) a. Arrays, unlike simple built-in types, are passed by | | | | | |
| | | | | | | |
| | (A) type(C) reference | | (B) class(D) none of the | above | | |
| | b. C# supports | · | | | | |
| | (A) Inheritance(C) Both (A) & | (B) | (B) Multiple Ir(D) None of th | | | |
| | e e | name to encaps grammers call | | ements is an example of | of the | |
| | (A) grouping(C) encapsulation | on | (B) packaging(D) abstraction | | | |
| | | | s, such as C#, every lled the class. | class you create is a ch | ild of | |
| | (A) Top (C) Main | | (B) Object (D) method | | | |
| | | method is not a te an ambiguous | - | wn—it becomes ambig | guous | |
| | (A) True | | (B) False | | | |
| | f. A method (or method declaration) is the entry point to the method. | | | | | |
| | f. A method | (or method decla | iration) is the entry p | onit to the method. | | |

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| | | | ROLL NO | Iden. |
| | g. | <i>Arraylist cities = new ArrayList</i> will create cities list with the ca | t() apacity to store objects. | .80 |
| | | (A) 0 (C) 16 | ROLL NO st () apacity to store objects. (B) 1 (D) None of the above n is | |
| | h. | . By default, the type of an enum | ı is | |
| | | (A) int(C) short | (B) byte(D) None of the above | |
| | i. | Creating an object is also called | l instantiating an object. | |
| | | (A) False | (B) True | |
| | j. | Ability to hide the internal detai | ils of an object from its users is called_ | |
| | | (A) Inheritance(C) Encapsulation | (B) Polymorphism(D) None of the above | |
| | | • - | stions out of EIGHT Questions. on carries 16 marks. | |
| Q.2 | a. | What is C#? | | (4) |
| | b. | What prompted Microsoft to co | ome up with .NET? | (4) |
| | c. | Explain what is CLR. | | (4) |
| | d. | Explain what is MSIL. | | (4) |
| Q.3 | a. | By considering operator preced of the following expression: | dence, list the steps involved in the com | nputation |
| | | resultVar += var1 * var2 + var3 | (4) | |
| | b. | Write an application to promp extract the integers from that te store them in variables num compare the numbers and displ | convert, and ation must | |
| Q.4 | a. | Write short notes on Method overriding different from method | d Overloading with examples. How nod overloading? | is method (8) |
| | b. | Explain in detail the concept of | f jagged arrays with examples. | (8) |
| Q.5 | a. | String comparisons using == insensitive string comparison? | seem to be case-sensitive? How to | do a case-(3) |
| | b. | Some string literals use the @ | symbol, and some don't. Comment. | (3) |

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- Q.8 a. Write C# code to illustrate declaring, instantiating, and using a delegate. It must encapsulate a bookstore database that maintains a database of books. It should expose a method, which finds all paperback books in the database and calls a delegate for each one. It must use a class to print out the titles and average price of the paperback books. (10)
 - b. What do you mean by Console class in C#? Distinguish between Read and ReadLine methods. (6)
- Q.9 a. Using C#, is there a better way to handle multiple types of exceptions rather than a bunch of ugly catch blocks. (6)
 - b. What are the things to avoid when throwing exceptions? (4)
 - c. What is a ThreadPool? Describe the steps involved in using a ThreadPool. (6)

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