

OR

5. (a) Explain name space in detail. 6
 (b) Explain value type and reference type in detail. 6
6. (a) Explain arithmetic and relational operators. 6
 (b) Explain various decision making statements. 6

OR

7. (a) Explain bitwise and special operators. 6
 (b) Explain switch statement with program example. 6
8. (a) Explain the concept of pass by reference with program example. 6
 (b) Explain string handling and various string methods. 6
- OR
9. (a) Explain array class and array test class. 6
 (b) Explain the concept of declaring and invoking methods in C# with program example. 6

AR - 592

Fifth Semester B. Sc. (Part - III) Examination

**5S - COMPUTER APPLICATION /
 INFORMATION TECHNOLOGY
 PROGRAMMING IN C #**

P. Pages : 5

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) All questions are compulsory.
 (2) Assume suitable data wherever necessary.
 (3) Question No. **One** carries **Eight** marks and all other questions carry **Twelve** marks each.

1. (a) Fill in the blanks :—
- (i) ——— stream methods provide the access to input console in C#.NET.
- (ii) ——— namespace is not defined in the .NET class library.
- (iii) ——— helped to overcome the DLL conflict (faced by the version prior to .NET)
- (iv) SOAP stands for ——— 2
- (b) Choose the correct alternative :—
- (i) The reason that C# does not Support

Multiple inheritances is because of —

- (a) Method collision
- (b) Name collision
- (c) Function collision
- (d) Interface collision.

(ii) — variables are visible only in the block they are declared.

- (a) System
- (b) Global
- (c) Local
- (d) Console.

(iii) C# does not support — constructors.

- (a) Parameterized
- (b) Parameter-less
- (c) Class
- (d) Method.

(iv) Duck typing is implemented by using — keyword

- (a) Dynamic
- (b) Object
- (c) Ref
- (d) Base.

2

(c) Answer the following in **one** sentence :—

- (i) What is data type ?
- (ii) What is a program ?
- (iii) What is operators ?
- (iv) What is the use of comments ? 4

2. (a) Explain the programming environment of C# programming language. 6
- (b) Explain various characteristics of C# programming language. 6

OR

3. (a) Explain the origin of .NET with its framework. 6
- (b) Explain the advantage of using C# programming language. 6
4. (a) What is command line argument ? Explain in detail. 6
- (b) Explain the scope of variables in detail. 6

10. (a) What are the differences between classes and structs ? Explain. 6
- (b) Explain copy constructor in detail. 6

OR

11. (a) Explain the concept of enumerator initialization in detail. 6
- (b) What are read only members ? Explain in detail. 6

12. (a) Explain the concept of multiple inheritance. 6
- (b) What do you understand by operator overloading ? Explain in detail. 6

OR

13. (a) Explain the implementation of explicit interface. 6
- (b) Explain multicast delegates in detail. 6



