Reg. No. : ....

Name : ....

IV Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.) Examination, April 2020
(2014 Admn. Onwards)
CORE COURSE IN COMPUTER SCIENCE
4B05CSC : C# and .NET Programming

Time : 3 Hours

Max. Marks : 40

SECTION – A

(8×0.5=4)

1. **One** Word Answer.

a) During the compile time, the compiler converts the source code into

b) _____ means having many forms, the ability of a message to be displayed in more than one.

c) List the uses of Namespaces.

d) CTS stands for

e) _____ property enables new classes to receive the properties and methods of existing classes.

f) Delegates in C# are similar to the _____ in C/C++.

g) An _____ indicates serious problems that a reasonable application should not try to catch.

h) A _____ is a delegate that holds the references of more than one function.

SECTION – B

(7×2=14)

Write short notes on **any seven** of the following questions.

2. Define a constructor and list its different types.

3. What are exceptions and name any four keywords for exception handling ?

4. Give an example for virtual method and polymorphism.

5. Illustrate with an example the call to a base class constructor from a derived class.

6. Explain any 4 characteristics of C#.

7. What are Arrays ?

8. What is CLR ?

9. Point out the methods through which reusability is achieved in C#.

10. What support is provided by C# for events ?

11. Develop a C# application with method hiding.

SECTION – C

Answer **any four** of the following questions. (4×3=12)

12. What do you mean by delegates ? Show an example of it.

13. Define an abstract class and explain the role of abstract classes in an application development.

14. Explain the structure of a simple C# program.

15. Describe how C# support multiple inheritance with an example.

16. Discuss briefly about interfaces with example.

17. Compare and contrast Indexers and delegates.

SECTION – D

Answer an essay on **any two** of the following questions. (2×5=10)

18. Discuss Web Form Events.

19. Explain in detail about CLR.

20. Develop an application in C# to illustrate polymorphism.

21. Write an essay on ADO.NET.

————————