

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2018
(Fifth Semester)

Branch - COMPUTER SCIENCE

C# PROGRAMMING

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Give the overview of C#.
- 2 Define Literals.
- 3 How will you declare the main method?
- 4 What do you mean by output parameters?
- 5 How will you define a class in C#?
- 6 • What are Subclass constructors?
- 7 What is delegate?
- 8 How to manage errors in f/O operations?
- 9 Define Thread.
- 10 What is a namespace?

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Categorize the types of operators used in C#? Explain.
OR
b Describe the various 'if' statement with example.
- 12 a Explain the concept of overloading methods.
OR
b Explain the variable size arrays with simple examples.
- 13 a How will you declare the overloaded constructors? Describe.
OR
b Describe the advantages of polymorphism.
- 14 a What are the types of exceptions? Explain.
OR
b Distinguish initialization and invocation in delegates.
- 15 a Narrate creating and starting a thread.
OR
b Explain thread pooling.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 What are the data types available in C# programming? Explain.
- 17 Compare initialization the enumerations? Describe.
- 18 Discuss the various forms of inheritance used in C#.
- 19 Illustrate the console input / output operations.
- 20 How to create and run a sample WinApp windows application? Discuss.