(06 Marks)

(08 Marks)

Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019 C# Programming and •NET

Time: 3 hrs.

Max. Marks:100

Note: Answer FIVE full questions, selecting atleast TWO questions from each part.

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|---|----|---|-------------|
| | | PART – A | |
| 1 | a. | What are the building blocks of •Net platform? Give the relationship between •N | let runtime |
| | | layer and base class library. | (08 Marks) |
| | b. | Explain the role of assembly manifest. | (04 Marks) |
| | c. | Explain CTS, briefly explain any three types defined by the CTS, with example. | (08 Marks) |
| 2 | a. | Explain output centric options of the C# complier. | (05 Marks) |
| - | b. | Explain C# preprocessor directives, with examples. | (06 Marks) |
| | c. | What is command line debugger? Write a C# program to display the following is | , |
| | | using system environment class. | |
| | | i) Current directory of application | 4 |
| | | ii) Operating system version | |
| | | iii) Logical drives | |
| | | iv) Host name | |
| | | v) •Net version. | (09 Marks) |
| • | | | |
| 3 | a. | Explain the following terms, with an example, with reference to C# | (40.17.1.) |
| | 1. | i) for each ii) ref iii) params iv) out v) do/while loop. | (10 Marks) |
| | b. | Explain boxing and unboxing with examples. | (06 Marks) |
| | c. | Explain core members of system object. | (04 Marks) |
| 4 | a. | Explain the three pillars of object oriented programming in C# with an example. | (12 Marks) |
| • | b. | Explain with examples, static properties in C#. | (04 Marks) |
| | c. | Write a note on abstract classes. | (04 Marks) |
| | | | |
| | | PART -B | |
| 5 | a. | Explain core members of system exception type. | (08 Marks) |
| | b. | What is meant by object life time? Explain the garbage collection optimization | process in |
| | | C#. | (08 Marks) |
| | c. | Write C# application to illustrate multiple exceptions. | (04 Marks) |
| _ | | | (00.37 1) |
| 6 | a. | What is an interface? Explain the three methods to obtain interface references. | (06 Marks) |
| | b. | How to build cloneable and comparable objects in C#. | (06 Marks) |
| | c. | With an example explain any four inter faces of system collection. | (06 Marks) |
| 7 | a. | With an example, discuss the advanced keywords of C#: checked, unchecked un | safe. Stack |
| , | | alloc and size of. | (10 Marks) |
| | b. | What are delegates? Explain the members of system multicast delegates : writ | |
| | -, | program to implement delegate. | (10 Marks) |
| | | | |
| 8 | a. | Explain the C# support for cross language inheritance, with example. | (06 Marks) |
| | 1. | White a shout was an area a multifile against le | (Of Marks) |

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

Write a short note on process a multifile assembly.

With an example. Explain the role of delayed signing.