

Reg. No. :

D 1154

Q.P. Code : [D 07 PIT 05]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Second Year

Information Technology

PROGRAMMING IN C# AND .NET FRAME WORK

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. Give an a overview of .NET and explain the issues associated with it. (20)
2. (a) What are literals and variables? How are they classified? Explain. (10)
(b) Describe the different categories of data types used in C# with examples. (10)
3. (a) Discuss the features, capabilities and applications of branching statements availables in C#. (10)
(b) What are the types of C# strings? Briefly explain. (10)

4. (a) How are methods defined and use in C#? Explain with examples. (12)
(b) Explain how are two – dimensional array handled in C#? (8)
5. (a) Write a detailed note on structures and enumerations. (12)
(b) Describe the usage of multiple inheritance in C#. (8)
6. (a) What is operator overloading? Elaborate the unary and binary operators overloading. (8)
(b) Discuss the important aspects related with managing console I/O operations. (12)
7. (a) Explain the exception handling mechanism in C#. (10)
(b) Describe the importance of polymorphism and events. (10)
8. (a) Write a C# program to compute the sum of the digits of a given integer number. (10)
(b) Write a C# program that reads a line of text containing three words and then replaces all the blank spaces with an underscore (_). (10)

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D 1155

Q.P. Code : [D 07 PIT 06]

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M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Second Year

Information Technology

COMPONENT BASED SYSTEMS

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. (a) How will you develop a simple Bean application? Explain with an example. (10)
- (b) Explain the overview of CORBA architecture with its implementation issues. (10)
2. (a) What is marshalling? Explain. (5)
- (b) Point out the requirements of components. (5)
- (c) Describe the architecture of DCOM. (10)
3. Discuss about event driven programming. (20)

4. Give an overview of JAVA ORB.
 5. Explain ORB runtime system and discovering services.
 6. Describe DOM architecture and DOM features.
 7. Explain the following
 - (a) Query processing in object DBMS.
 - (b) Transaction management in distributed object DBMS.
 8. Discuss about ActiveX controls.
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Reg. No. :

D 1156

Q.P. Code : [D 07 PIT 07]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Second Year

Information Technology

WEB SERVICES

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. What are the web services? How is it categorized? And also discuss the evolution of web services.
2. Give a detailed description on XML schema facets.
3. Write short notes on:
 - (a) Soap fault codes
 - (b) Different entity types.
4. Describe the different types of security attacks and threats.

5. What is QOS? List the QOS metrics for web services.
 6. Explain the web services security road map.
 7. Give an account on the basic functionality of EPS application.
 8. Describe the development of web services.
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