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Reg. No. :

D 1150

Q.P. Code : [D 07 PIT 01]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

First year

Information Technology

OBJECT ORIENTED ANALYSIS AND DESIGN

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. (a) Explain the following
 - (i) Object relationships and associations. (5)
 - (ii) Aggregations and object containment. (5)
- (b) Discuss the basics of component based development. (10)
2. (a) Explain the "JACOBSON ET AL" methodology. (10)
- (b) Discuss the UML Interaction diagrams. (10)

3. (a) Give an account of classes, responsibilities and collaborators. (10)
- (b) Write a note on aggregation. (10)
4. (a) Discuss the basic design rules of corollaries. (15)
- (b) Write down the guidelines used to design application windows. (5)
5. (a) Explain the steps needed and guidelines used to create test plan. (12)
- (b) Discuss about user satisfaction test. (8)
6. (a) Describe the following
- (i) Objects respond to messages. (6)
- (ii) Encapsulation and information hiding. (4)
- (b) Explain the unified approach. (10)
7. (a) Discuss the UML activity and Implementation diagrams with neat sketch. (12)
- (b) Explain the UML extensibility. (8)
8. (a) Discuss the tools used for analyzing user satisfaction. (10)
- (b) Explain some quality assurance tests. (10)

Reg. No. :

D 1151

Q.P. Code : [D 07 PIT 02]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

First Year

Information Technology

ADVANCED JAVA PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

(5 × 20 = 100)

1. Elucidate the features of strings and characters used in Java.
2. Discuss the techniques used in Error handling.
3. Explain the uses of Enumeration interface with objects of class vector with example program.
4. (a) What are the types of traversal for a binary tree? (5)
(b) Illustrate with an example of each traversal. (15)

5. How will you read file on a web server? Describe.
 6. Briefly explain how to create a Javabeen, adding bean to the bean and adding properties.
 7. Give a suitable example for how to access multimedia database. Explain.
 8. Summarise how will you access a Distributed objects with RMI.
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Reg. No. :

D 1152

Q.P. Code : [D 07 PIT 03]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

First Year

Information Technology

DISTRIBUTED COMPUTING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. Explain in detail on the networks and the inter connection structures that are used for distributed systems.
2. (a) Describe the need for distributed systems.(10)
(b) List out and explain the pros and cons of a distributed processing environment. (10)
3. Elaborate the distributed data bases and give the reasons for the data to be distributed. (20)
4. Explain the process of partitioning and allocation.

5. Write a detailed account on the synchronization of network databases.
 6. What is a file server? Explain the various services provided by a file server and the issues of file server.
 7. Explain the services provided by the following servers.
 - (a) E-mail server (15)
 - (b) Printer server (5)
 8. What is transparency? Describe the various levels of transparency.
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Reg. No. :

D 1153

Q.P. Code : [D 07 PIT 04]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

First Year

Information Technology

MULTIMEDIA SYSTEMS

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

(5 × 20 = 100)

1. Discuss in detail about Text, sound and images.
2. (a) Compare and contrast DVD with CD. (10)
(b) Give an account on multimedia workstation. (10)
3. Explain about image forming, painting and drawing tools in detail.
4. Write an essay about Transport subsystem.

5. Describe the concept behind multimedia database management system in detail.
 6. Explain the following :
 - (a) File handling and Indexing Techniques. (10)
 - (b) Information retrieval search engine. (10)
 7. Illustrate the following :
 - (a) Multimedia synchronization. (10)
 - (b) Multimedia on networks. (10)
 8. (a) Explain the concept behind OLE and DDE. (10)
(b) Summarize the significance of using presentation tools. (10)
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