

Q.P. Code: D07PIT01

(For the Candidates Admitted From 2007 onwards)

M. Sc. DEGREE EXAMINATION, JUNE- 2008

INFORMATION TECHNOLOGY

FIRST YEAR

[www.asinstitute.in](http://www.asinstitute.in)

PAPER- I- OBJECT ORIENTED ANALYSIS AND DESIGN

Time: 3hours

Maximum: 100marks

Answer Any FIVE Questions  
Each Question Carries 20 marks

(5 x 20 =100 marks)

1. Explain various phases of OOSD development life cycle.
2. Write in detail about object oriented methodologies.
3. Explain the methods and technology employed in unified approach.
4. Describe the purpose, function and UML notation of the class diagram.
5. Explain Association, Composition and Generalization with suitable examples.
6. What are OOD axioms and their significances? Explain in detail.
7. Explain the functions and advantages of OODBMS.
8. How effective the testing procedure in OO environment? Discuss how test plans are derived and used?

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INFORMATION TECHNOLOGY

FIRST YEAR

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PAPER –II ADVANCED JAVA PROGRAMMING

Time: 3hours

Maximum: 100marks

Answer Any FIVE Questions  
Each Question Carries 20 marks

(5 x 20 =100 marks)

1. Write the life cycle of a thread. Explain with an example of a JAVA program to explain the use of thread priorities.
2. Explain in detail about net working features in JAVA .Give an example.
3. (a) Explain about array concepts in detail  
(b) Write a JAVA program to arrange the given 'N' numbers in descending order using any one of the sorting method
4. Briefly discuss about the JAVA Beans.
5. (a) Explain remote method invocation with suitable example .  
(b) Explain about object serialization in detail.
6. What is a Socket? What are the types of Sockets? Explain in detail.
7. What is JDBC? Explain about how JDBC is used to connect multiple database.
8. What are JAR files? Explain in detail.

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Q.P. Code: D 07PIT03

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INFORMATION TECHNOLOGY

FIRST YEAR

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DISTRIBUTED COMPUTING

Time: 3hours

Maximum: 100marks

Answer Any FIVE Questions  
Each Question Carries 20 marks

(5 x 20 =100 marks)

1. Describe any two network interconnection structures with neat diagrams.
2. List and Explain the pros and cons of distributed processing environment.
3. Explain the management process of the distributed resources.
4. Explain the various design considerations of communication line loading.
5. Describe the concept of synchronizing the network databases.
6. Describe the PAM approach towards the network software design process.
7. Discuss the architecture and the issues related to the e-mail server.
8. Describe the various Distributed architectures in detail.

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Q.P. Code: D07PIT04

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M. Sc. DEGREE EXAMINATION, JUNE- 2008

INFORMATION TECHNOLOGY

FIRST YEAR

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MULTIMEDIA SYSTEMS

Time: 3hours

Maximum: 100marks

Answer Any FIVE Questions  
Each Question Carries 20 marks

(5 x 20 =100 marks)

1. Describe the various data formats used in Multimedia
2. Compare and contrast the characteristics of SCSI and MCI
3. Explain the functionalities of various optical storage devices for multimedia.
4. List and Explain the different kinds of input and communication devices of multimedia.
5. Discuss the role of images and the image formatting tools in multimedia.
6. Explain the document architecture in multimedia applications .
7. Describe the concept of multimedia synchronization .
8. Elaborate on the multimedia database management systems.

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