LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL
(An Autonomous and Re-accredited with 'A' Grade by NAAC)
SUBJECT : SOFTWARE TESTING
Code : MCA12501

Note : Answer all questions.
Each question carry equal marks

PART – A

5 X 20 = 100 Marks

UNIT – I

1. (a) What is decision table. Write the technique to identify test cases with decision tables.
   (b) Write the decision table based test cases for triangle problem.

OR

2. What is boundary value testing. Develop a case to explain this testing.

UNIT – II

3. Explain McClure's basis path method for basis path testing. Demonstrate this testing with an example.

OR

4. Explain the role of structural testing on software testing with examples.

UNIT – III

5. Explain about integration testing and explain various types of integration testing.

OR

6. Explain the various levels of system testing.

UNIT – IV

7. Explain the issues involved in object oriented System testing.

OR

8. What is class testing. Explain with suitable examples.

UNIT – V

9. (a) Explain about model based testing.
   (b) Explain about test-driven development with examples.

OR

10. What is AllParis testing. Explain this testing with a case.

Answer the following: (5*20=100M)

1. Explain about building blocks of UML.

(OR)

2. (a) Discuss various advanced relationships in UML, with the help of examples.
   (b) Explain about packages, Instances and Interfaces.

3. (a) Differentiate between sequence, collaboration diagrams , explain with examples.
   (b) Explain about state machine with example.

(OR)

4. (a) Draw use case diagram for a library information system of a college.State your assumptions.
   (b) Write short notes on Activity diagrams.

5. (a) Write about collaboration diagram.
   (b) Explain about patterns and Frame works.

(OR)

6. (a) Explain in detail about Deployment .
   (b) Explain about component diagrams.

7. (a) Describe about 4Ps in Software development
   (b) Explain the Architecture centric concept of the unified process.

(OR)

8. Explain use-case driven process with use-case of ATM system.

9. Discuss in detail about capturing requirements as use cases.

(OR)

10. (a) Explain artifacts and Workers in Design phase.
    (b) Explain the activities of Implementation work flow.

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M.C.A V Semester Final Examination, December- 2014

Subject   :   Middleware Technologies

Sub. Code   :   MCA 12502

Exam Time : 3 hrs

Max. Marks : 100

Answer the following:

1. (a) Explain about Object Server and WebServer. (10M)
   (b) Discuss about client and Server building block. (10M)

(OR)

2. (a) Discuss about RPC. (10M)
   (b) Discuss about Peer-to-Peer communication. (10M)

3. (a) Explain WSDL and REST Services. (20M)

(OR)

4. (a) Explain JSP (12M)
   (b) Discuss the integration of Servlets and JSP. (8M)

5. Explain the EJB container Services. (20M)

(OR)

6. Explain entity Beans with state diagram. (20M)

7. Explain the Distributed Systems of CORBA. (20M)

(OR)

8. Explain CORBA network model. (20M)

9. (a) Give COM datatypes. (8M)
   (b) What is marshalling in .NET. (12M)

(OR)

10. Explain .NET architecture in detail. (20M)

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   (b) Discuss about Peer-to-Peer communication.   (10M)

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(OR)

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   (b) Discuss the integration of Servlets and JSP.   (8M)

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7. Explain the Distributed Systems of CORBA.   (20M)

(OR)

8. Explain CORBA network model.   (20M)

9. (a) Give COM datatypes.   (8M)
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M.C.A V Semester Final Examination, December- 2014

Subject : OOSD

Sub. Code : MCA 12503

Exam Time : 3 hrs

Max. Marks : 100

Answer the following: (5*20=100M)

1. Explain about building blocks of UML.

(OR)

2. (a) Discuss various advanced relationships in UML, with the help of examples.
   (b) Explain about packages, Instances and Interfaces.

3. (a) Differentiate between sequence, collaboration diagrams , explain with examples.
   (b) Explain about state machine with example.

(OR)

4. (a) Draw use case diagram for a library information system of a college. State your assumptions.
   (b) Write short notes on Activity diagrams.

5. (a) Write about collaboration diagram.
   (b) Explain about patterns and Frame works.

(OR)

6. (a) Explain in detail about Deployment .
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M.C.A V Semester Final Examination, December- 2014

Subject   : XML & Web Services   Exam Time : 3 hrs

Sub. Code : MCA 12508   Max. Marks : 100

Answer the followingQuestions: (5*20=100M)

1. (a) Define XML and what are its advantages?
   (b) Explain SOAP wed- services?

   (OR)

2. Explain service oriented Architecture (SOA)?

3. (a) Explain XML Namespace rules and syntax with example?
   (b) Explain DTD with example?

   (OR)

4. Describe XML infrastructure?

5. (a) What is SOAP? Why is it important?
   (b) Explain about SOAP protocal message structure?

   (OR)

6. (a) Explain about XML-RPC protocol?
   (b) Describe SOAP- design patterns?

7. Write about UDDI & WSDL with example?

   (OR)

8. Explain the architectue of J2EE with neat sketch.

9. Write short notes on following:
   (a) XML digital signature
   (b) Cononicalization

   (OR)

10. Write short notes on the following:
    (a) XML Security Framework
    (b) XML Encryption