LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL

(An Autonomous and Affiliated to Osmania University)

MCA V Semester Final Examination, Oct/Nov- 2017

Subject	:	Object Oriented System Development	Exam Time : 3hrs
Sub Code	:	MCA 12503	Max. Marks : 100

Answer any one from each unit: (5*20 = 100M)

UNIT-I

1. a) Explain the following object relationships with examples.   (10M)
        (i) Association   (ii) Aggregation
   b) Discuss class Hierarchy with example.   (10M)

(Or)

2. a) Explain Encapsulation and polymorphism with example.   (10M)
   b) With suitable illustration explain about the object oriented system development
   process.   (10M)

UNIT-II

3. a) Explain Usecasemodel and object responsibility in brief with an example? (10M)
   b) Write short notes on   (10M)
        (i) Interaction diagram   (ii) State machines

(Or)

4. a) Explain about the Usecase driven object oriented analysis.   (10M)
   b) Give the activity diagram to show some of the activities that can be performed
   by a library member.   (10M)

UNIT-III

5. a) Explain in detail static and dynamic models.   (10M)
   b) Explain in detail the Behavioral diagram in UML.   (10M)

(Or)

6. a) Compare sequence versus collaboration diagram with an example.   (10M)
   b) Briefly explain deployment diagram with an example.   (10M)

UNIT-IV

7. Explain unified process model with an example.   (20M)

(Or)

8. a) Explain Four Ps   (10M)
   b) Write a short notes on Usecase – Driven process.   (10M)

UNIT-V

9. Give a Sample artifact overview diagram from the business modeling workflow. (20M)

(Or)

10. Explain Core process workflows with an example?   (20M)

LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL
(An Autonomous and Affiliated to Osmania University)
MCA V Semester Final Examination, Oct/Nov - 2017

Subject   :   Software Testing   Exam Time   : 3hrs

Sub Code   :   MCA 12501   Max. Marks   : 100

Answer any one from each unit: (5*20 = 100M)

UNIT-I

1.a) Explain goals for testing and model for testing in software testing.   (10M)

b) Discuss that Software testing will ensure the quality of developed Software?   (10M)

(Or)

2. Write a short notes on

    a) Boundary value testing   (10M)

    b) Retrospective on Functional testing.   (10M)

UNIT-II

3. Define Data flow testing? Explain various Strategies available for data flow testing.   (20M)

(Or)

4. a) Elaborate Retrospective on structural testing.   (10M)

    b) Write about implementation of path testing and various applications of path testing.   (10M)

UNIT-III

5. What is meant by system testing? Discuss the goals of system testing in detail?   (20M)

(Or)

6. Write a short notes on   (20M)

    (i) Integration testing

    (ii)Interaction testing

UNIT-IV

7. a) Elaborate class testing with appropriate example.   (10M)

    b) Write a short notes on GUI testing.   (10M)

(Or)

8. Explain about Object –Oriented integration testing.   (20M)

UNIT-V

9. Explain Software testing Excellence?   (20M)

(Or)

10. a) Give a brief notes on Exploratory testing.   (10M)

    b) Explain All Pairs testing.   (10M)

Subject   :   Software Testing   Exam Time   : 3hrs
Sub Code :   MCA 12501   Max. Marks : 100

Answer any one from each unit: (5*20 = 100M)

UNIT-I

1. a) Explain goals for testing and model for testing in software testing.   (10M)
   b) Discuss that Software testing will ensure the quality of developed Software?   (10M)

(Or)

2. Write a short notes on
   a) Boundary value testing   (10M)
   b) Retrospective on Functional testing.   (10M)

UNIT-II

3. Define Data flow testing? Explain various Strategies available for data flow testing.   (20M)

(Or)

4. a) Elaborate Retrospective on structural testing.   (10M)
   b) Write about implementation of path testing and various applications of path testing. (10M)

UNIT-III

5. What is meant by system testing? Discuss the goals of system testing in detail?   (20M)

(Or)

6. Write a short notes on   (20M)
   (i) Integration testing
   (ii) Interaction testing

UNIT-IV

7. a) Elaborate class testing with appropriate example.   (10M)
   b) Write a short notes on GUI testing.   (10M)

(Or)

8. Explain about Object –Oriented integration testing.   (20M)

UNIT-V

9. Explain Software testing Excellence?   (20M)

(Or)

10. a) Give a brief notes on Exploratory testing.   (10M)
    b) Explain All Pairs testing.   (10M)

LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL
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MCA V Semester Final Examination, Oct/Nov - 2017

Subject	: Object Oriented System Development	Exam Time : 3hrs
Sub Code	: MCA 12503	Max. Marks : 100

Answer any one from each unit: (5*20 = 100M)

UNIT-I
1. a) Explain the following object relationships with examples.   (10M)
      (i) Association   (ii) Aggregation
  b) Discuss class Hierarchy with example.   (10M)
(Or)
2. a) Explain Encapsulation and polymorphism with example.   (10M)
  b) With suitable illustration explain about the object oriented system development
    process.   (10M)

UNIT-II
3. a) Explain Usecase model and object responsibility in brief with an example?   (10M)
  b) Write short notes on   (10M)
      (i) Interaction diagram   (ii) State machines
(Or)
4. a) Explain about the Usecase driven object oriented analysis.   (10M)
  b) Give the activity diagram to show some of the activities that can be performed
    by a library member.   (10M)

UNIT-III
5. a) Explain in detail static and dynamic models.   (10M)
  b) Explain in detail the Behavioral diagram in UML.   (10M)
(Or)
6. a) Compare sequence versus collaboration diagram with an example.   (10M)
  b) Briefly explain deployment diagram with an example.   (10M)

UNIT-IV
7. Explain unified process model with an example.   (20M)
(Or)
8. a) Explain Four Ps   (10M)
  b) Write a short notes on Usecase – Driven process.   (10M)

UNIT-V
9. Give a Sample artifact overview diagram from the business modeling workflow. (20M)
(Or)
10. Explain Core process workflows with an example?   (20M)

LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL

(An Autonomous and Reaccredited with 'A' Grade by NAAC)

MCA (V semester) Semester Final Examination, Oct/Nov - 2017

| Subject | : | Middleware Technologies | Exam Time | : 3hrs |
| Sub Code | : | MCA 12502 | Max. Marks | : 100 |

Answer any one from each unit:

(5*20 = 100M)

UNIT-I

1. a) Briefly explain Client – Server model. (10M)
   b) Write a short notes on Service specific middleware. (10M)

(Or)

2. Briefly explain Client - Server Building blocks. (20M)

UNIT-II

3. Briefly explain about the Servlet life cycle in detail. (20M)

(Or)

4. a) Explain Session Tracking JSP. (10M)
   b) Write a short notes on Integrating servlets and JSP. (10M)

UNIT-III

5. Explain EJB Architecture in detail. (20M)

(Or)

6. a) Write a short notes on EJB Entity beans. (10M)
   b) Write steps for Deploying EJB Applications. (10M)

UNIT-IV

7. a) What are the different ways to invoke CORBA methods? Distinguish between them. (10M)
   b) Write a CORBA Client application to say "hello" and explain how an ORB object
      is created and accessed to invoke the specified operation in your coding. (10M)

(Or)

8. Explain CORBA Object model with example. (20M)

UNIT-V

9. a) Compare COM , COBRA , dot net. (10M)
   b) Write a short notes on COM Interface pointers. (10M)

(Or)

10. Write a short notes COM proxy and Stub marshalling. (20M)

LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL

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MCA V Semester Final Examination, Oct/Nov - 2017

Subject	: Electronic Commerce	Exam Time	: 3hrs
Sub Code	: MCA 12504	Max. Marks	: 100

Answer any one from each unit: (5*20 = 100M)

UNIT-I

1. (a) Identify the unique features of e-commerce technology and their business significance? (10M)

   (b) What is e- retailing? Explain its advantages to consumer and business? (10M)

   (Or)

2. (a) Write a short notes on mercantile Process Models. (10M)

   (b) Explain Mercantile Model from the consumer's perspective. (10M)

UNIT-II

3. (a) Explain about Encryption and credit cards. (10M)

   (b) Explain about smart-card Readers and smart phones. (10M)

   (Or)

4. Briefly discuss about Designing Electronic Payment System. (20M)

UNIT-III

5. Discuss briefly about Supply Chain Management. (20M)

   (Or)

6. (a) What is work – flow automation and coordination .Explain. (10M)

   (b) How information flow takes place in EDI? (10M)

UNIT-IV

7. (a) Briefly explain information based marketing. (10M)

   (b) Write a short notes on issues behind document infrastructure. (10M)

   (Or)

8. Explain about different types of Digital Documents. (20M)

UNIT-V

9. (a) Discuss about desktop video processing. (10M)

   (b) Write a short notes on CD-ROM. (10M)

   (Or)

10. What is informational search and retrieval explain. (20M)

Subject : Rich Internet Applications
Sub. Code : MCA 12512

Exam Time : 3 hrs
Max. Marks : 100

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

UNIT-I

1. What is Web 2.0? Write and explain Applications of Web 2.0.

(Or)

2. Explain (i) VOXML (7M) (ii) Social Media (7M) (iii) Tagging (6M)

UNIT-II

3. (a) What is XML? Explain HTML & DHTML with example?
   (b) Explain XSLT.

(Or)

4. Discuss (i) VoIP (6M) (ii) CSS (7M) (iii) JSON (7M)

UNIT-III

5. What is Ajax? How to create Rich Internet Application with Ajax?

(Or)

6. (a) Explain in detail REST (10 M)
   (b) Discuss SOA. (10 M)

UNIT-IV

7. How to Create and Publish Flash Movie? Explain.

(Or)

8. Write about Adobe Flash. What are the tools used in flash.

UNIT-V

9. How to create Rich Internet Applications with Flex 3.0? Illustrate with an example.

(Or)

10. Explain about
    (a) FLEX 3 (10 M)
    (b) MASHUPS (10 M)

Subject : Middleware Technologies   Exam Time : 3hrs

Sub Code : MCA 12502   Max. Marks : 100

Answer any one from each unit: (5*20 = 100M)

UNIT-I

1. a) Briefly explain Client – Server model. (10M)
   b) Write a short notes on Service specific middleware. (10M)

(Or)

2. Briefly explain Client - Server Building blocks. (20M)

UNIT-II

3. Briefly explain about the Servlet life cycle in detail. (20M)

(Or)

4. a) Explain Session Tracking JSP. (10M)
   b) Write a short notes on Integrating servlets and JSP. (10M)

UNIT-III

5. Explain EJB Architecture in detail. (20M)

(Or)

6. a) Write a short notes on EJB Entity beans. (10M)
   b) Write steps for Deploying EJB Applications. (10M)

UNIT-IV

7. a) What are the different ways to invoke CORBA methods? Distinguish between them. (10M)
   b) Write a CORBA Client application to say "hello" and explain how an ORB object is created and accessed to invoke the specified operation in your coding. (10M)

(Or)

8. Explain CORBA Object model with example. (20M)

UNIT-V

9. a) Compare COM , COBRA , dot net. (10M)
   b) Write a short notes on COM Interface pointers. (10M)

(Or)

10. Write a short notes COM proxy and Stub marshalling. (20M)

Subject	:	Electronic Commerce	Exam Time	: 3hrs
Sub Code	:	MCA 12504	Max. Marks	: 100

Answer any one from each unit: (5*20 = 100M)

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1. (a) Identify the unique features of e-commerce technology and their business significance?   (10M)

   (b) What is e-retailing? Explain its advantages to consumer and business?   (10M)

(Or)

2. (a) Write a short notes on mercantile Process Models.   (10M)

   (b) Explain Mercantile Model from the consumer's perspective.   (10M)

UNIT-II

3. (a) Explain about Encryption and credit cards.   (10M)

   (b) Explain about smart-card Readers and smart phones.   (10M)

(Or)

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4. Discuss   (i) VoIP **(6M)**   (ii) CSS **(7M)**   (iii) JSON **(7M)**

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    (a) FLEX 3   **(10 M)**
    (b) MASHUPS   **(10 M)**