

LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL
(An Autonomous and Re-Accredited with 'A' Grade by NAAC)

Subject : M.C.A V Semester Final Examinations, January - 2016
Sub. Code : Object Oriented System Development
MCA 12503

Exam Time : 3 hrs
Max. Marks : 100

Answer the following Questions:

(5*20=100M)

1. (a) Briefly explain about Modeling. **(10M)**
(b) Discuss about Interfaces, Packages and Instances. **(10M)**

(Or)

2. Describe the building blocks of UML. **(20M)**

3. (a) Explain about Interaction diagrams with examples. **(10M)**
(b) Write short notes on Activity diagrams and state machines. **(10M)**

(Or)

4. (a) Write notes on Events and Signals? **(10M)**
(b) Explain use case diagram with example. **(10M)**

5. (a) What are collaborations ? Discuss the structural and behavioural aspects in detail **(10M)**

- (b) Write notes on Systems and Models? **(10M)**

(Or)

6. (a) Explain about Deployment diagrams. **(10M)**

- (b) Discuss about Patterns and Frame Works. **(10M)**

7. (a) Explain in detail the role of People , Project , Product and Process in Software development. **(10M)**

- (b) Explain the structure of unified Software Process. **(10M)**

(Or)

8. (a) Explain about use case Driven Process. **(10M)**

- (b) Why iterative and incremental development. **(10M)**

9. Explain the work flow of Requirements capture in detail. **(20M)**

(Or)

10. (a) Discuss the work flows of testing in detail. **(10M)**

- (b) What is the purpose of Design Workflow? **(10M)**

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M.C.A V Semester Examination, November - 2016

Subject : Object Oriented System Development
Sub. Code : MCA 12503

Exam Time : 3 hrs
Max. Marks : 100

Answer any one from each unit.

(5*20=100M)

UNIT-I

1. (a) Discuss in detail the various object oriented concepts with examples. (10M)
- (b) Develop a balancing system based on object oriented approach. (10M)

(Or)

2. (a) How does object oriented methodology differ from other programming methodologies? Explain with an example. (10M)
- (b) Briefly explain the elements of object model. (10M)

UNIT-II

3. (a) Explain the use case driven approach for business object analysis. (10M)
- (b) Develop an analysis model for a student information system. (10M)

(Or)

4. Give a brief notes on
 - 1) Activity diagrams (10M)
 - 2) State chart diagrams (10M)

UNIT-III

5. (a) What is meant by framework? Explain artifact diagrams. (10M)
- (b) Write a short notes on ~~development~~ ^{deployment} diagrams. (10M)

(Or)

6. (a) Differentiate between pattern & framework (10M)
- (b) Write the difference between static & dynamic model. (10M)

UNIT-IV

7. Explain Unified Software development process lifecycle. (20M)

(Or)

8. (a) Compare iterative and incremental process models. (10M)
- (b) Give a brief note on Architecture Centric Process. (10M)

UNIT-V

9. Briefly explain core work flows of unified process with an example. (20M)

(Or)

10. Give a sample workflow detail diagram from the business modeling workflow. (20M)

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Subject : M.C.A V Semester Final Examinations, January - 2016
Sub. Code : Middleware Technologies
MCA 12502

Exam Time : 3 hrs
Max. Marks : 100

Answer the following:

- 1) (a) Explain about File Server and Database Server. (10M)
(b) Discuss various middleware technologies. (10M)
- 2) Discuss client /server technology. (Or) (20M)
- 3) (a) Explain SOA (10M)
(v) Explain SOAP (10M)
- 4) (a) Explain life cycle of Servlets . (Or) (15M)
(b) What is Session Tracking. (5M)
- 5) Explain EJB architecture with diagram. (10M)
(Or)
- 6) Explain life cycle methods of Stateless and statefull beans with state diagrams. (20M)
- 7) Explain CORBA architecture. (20M)
(Or)
- 8) Explain CORBA Services. (20M)
- 9) (a) What is proxy and stub , explain . (10M)
(b) Give the .NET architecture. (10M)
- (Or)
- 10) Describe the common Object Model in detail. (20M)

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M.C.A V Semester Examination, November - 2016

Subject : Middleware Technologies
Sub. Code : MCA 12502

Exam Time : 3 hrs

Max. Marks : 100

Answer any one from each unit.

(5*20=100M)

UNIT-I

1. Discuss different types of Servers and their client and Server interaction. (20M)
- (Or)
2. (a) Compare RMI with CORBA/Java ORBs. (10M)
(b) Write a short notes on object Server. (10M)

UNIT-II

3. (a) Define Web Services . Explain SOAP Architecture. (10M)
(b) Write a short notes JSP scripting elements. (10M)
- (Or)
4. (a) Explain WSDL. (10M)
(b) Write short notes on JSP (10M)

UNIT-III

5. (a) Explain the roles and responsibilities of EJB. (10M)
(b) How does EJB support asynchronous communication with clients? (10M)
- (Or)
6. Discuss about (i) EJB Session beans (10M)
(ii) EJB clients (10M)

UNIT-IV

7. (a) Describe the layered Architecture of CORBA. (10M)
(b) Write short notes on CORBA IDL. (10M)
- (Or)
8. How does a client communicate with remote object server in CORBA environment? (20M)

UNIT-V

9. (a) Give an overview of .NET Architecture. (10M)
(b) Write short notes on COM Data types. (10M)
- (Or)
10. Briefly explain Marshalling and remoting. (20M)

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M.C.A V Semester Final Examinations, January - 2016

Subject : Software Testing
Sub. Code : MCA 12501

Exam Time : 3 hrs
Max. Marks : 100

Answer the following Questions:

(5*20=100M)

UNIT-I

1. (a) Write notes on Testing Life Cycle.
(b) What is Perspective on testing? Explain with examples.
- (Or)
2. (a) Explain in detail about Boundary Value analysis.
(b) Explain in detail about equivalence class partitioning.

UNIT-II

3. (a) Explain in detail about path testing.
(b) Write about slice based testing.
- (Or)
4. (a) Illustrate with an example about structural testing.
(b) Write short notes on Data flow testing.

UNIT-III

5. (a) Explain SATM system.
(b) What is interaction testing? Explain with example.
- (Or)
6. Explain in detail levels of testing.

UNIT-IV

7. Write about GUI testing with currency converter.
- (Or)
8. Explain object – oriented Integration and system testing.

UNIT-V

9. (a) What is Exploratory testing? Briefly discuss.
(b) Discuss about all pairs Testing
- (Or)
10. (a) Explain Software testing Excellence.
(b) Discuss about Test- Driven Development.

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M.C.A V Semester Final Examinations, January - 2016

Subject : Electronic Commerce
Sub. Code : MCA 12504

Exam Time : 3 hrs
Max. Marks : 100

Answer the following Questions:

(5*20=100M)

UNIT-I

1. a) Define ecommerce and describe how it differs from e- business ? What are the limitations if e- commerce. (10M)
b) Identify the unique features of ecommerce technology and their business significance? (10M)
- (Or)
2. a) Discuss Mercantile Models from the Merchant's perspective? (10M)
b) What is e- retailing? Explain its advantages to consumer and business? (10M)

UNIT-II

- 3.a) Explain about Digital smart cards? (10M)
b) Explain briefly about Home shopping? (10M)
- (Or)
- 4.a) Discuss about Designing Electronic payment Systems? (10M)
b) List out the types of Electronic payment systems? (10M)

UNIT-III

- 5.a) Define EDI? Explain about EDI Layered Architecture? (10M)
b) Explain clearly about customization and Internal commerce? (10M)
- (Or)
- 6.a) Write about EDI legal , security and privacy issues? (10M)
b) Write about Value -Added Networks? (10M)

UNIT-IV

- 7.a) Describe online Marketing research? Explain the procedure for conducting online Marketing research? (10M)
b) Briefly discuss about Digital documents? (10M)
- (Or)
- 8.a) What are the various forms of advertisements you come across in web ? Explain about them briefly? (10M)
b) Explain how advertising is carried out on Internet? (10M)

UNIT-V

9. Discuss Electronic commerce catalogues and information filtering? (20M)
- (Or)
10. Explain Multimedia concepts in detail? (20M)

Answer any one from each unit.

(5*20=100M)

UNIT-I

1. (a) What do you understand by Ecommerce? Discuss the driving forces for E-commerce. (10M)
- (b) Discuss briefly about Electronic commerce organization Applications. (10M)
- (Or)
2. (a) Discuss about Pre purchase Preparation in Mercantile Model. (10M)
- (b) Explain about Mercantile Model from the Merchants's Model. (10M)

UNIT-II

3. (a) Explain about different types of Smart Cards. (10M)
- (b) Discuss about Third – party Processors and Credit Cards. (10M)
- (Or)
4. (a) What is an Electronic check? Explain. (10M)
- (b) Explain Risk and Electronic Payment system. (10M)

UNIT-III

5. (a) Explain about EDI Layered Architecture. (10M)
- (b) How EDI can change the life of common man ? (10M)
- (Or)
6. (a) Briefly discuss about customization and internal commerce. (10M)
- (b) Explain about functions of a third- party VAN (Value Added Networks) (10M)

UNIT-IV

7. (a) How digital library helpful for document management? (10M)
- (b) Explain about Advertising on the Internet. (10M)
- (Or)
8. (a) How do we chart the on – line marketing process? (10M)
- (b) Write short note on Corporate Data Warehouses. (10M)

UNIT-V

9. Explain about interactive product catalogues. (20M)
- (Or)
10. Explain about key multimedia concept in detail (20M)

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M.C.A V Semester Examination, November - 2016

Subject : Rich Internet Applications
Sub. Code : MCA 12512

Exam Time : 3 hrs

Max. Marks : 100

UNIT-I

1. a) Explain about Voice XML. (10M)
b) What is Social networking? Write its applications. (10M)

(Or)

2. a) What is Web 2.0? What are the folksonomies related to Web 2.0? (10M)
b) Discuss the importance of Software as a Service. (10M)

UNIT-II

3. a) Discuss any four objects in Java script. (10M)
b) Explain regular expression in Java script .Write a java script program to validate email address. (10M)

(Or)

4. a) Explain about SAX Parsers with an example. (10M)
b) Explain about DTD and CSS with example. (10M)

UNIT-III

5. a) Explain any two webservises. (10M)
b) Describe about JSON format with an example. (10M)
- (Or)
6. a) Briefly explain about Ajax and its applications. (10M)
b) Write down any four XML HTTP request (XHR) methods along with parameters. (10M)

UNIT-IV

7. a) Explain the role of Flash player in building Rich Internet Application. (10M)
b) Describe briefly about MXML. (10M)
- (Or)
8. a) What are popup controls? Explain with example. (10M)
b) Give an outline of Action Script. (10M)

UNIT-V

9. a) What are Web Services in Flex? Explain. (10M)
b) Describe briefly about Resource description framework. (10M)
- (Or)
10. a) What is Ontology? Explain about OWL. (10M)
b) Explain how Mashup is related with Flex & Ajax. (10M)