LOYOLA ACADEMY DEGREE & PG COLLEGE, OLD ALWAL

(An Autonomous and Re-Accredited with 'A' Grade by NAAC)

M.C.A IV Semester Supply Examinations, January - 2016

Subject : Web Programming — Exam Time : 3 hrs

Sub. Code : MCA 11404 — Max. Marks : 100

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

UNIT-I

1. (a) Explain recursion in Javascript. Give an example. (10M)
   (b) Explain any 10 math functions in Javascript. (10M)

(Or)

2. Explain anchor tag with example. (20M)

UNIT-II

3. Explain object model in Javascript. (20M)

(Or)

4. Explain ONBLUR and ONFOCUS event with an example. (20M)

UNIT-III

5. Explain TDC binding to image. (20M)

(Or)

6. (a) Explain I/O functions in VB Script. (10M)
   (b) Explain formatting functions in Vb Script. (10M)

UNIT- IV

7. Explain Active X components in ASP. (20M)

(Or)

8. (a) Explain the Internet Information server. (10M)
   (b) Explain PWS (10M)

UNIT –V

9. (a) Write the difference between XML and HTML. (10M)
   (b) Write a program creating student data. (10M)

(Or)

10. Explain XML parses in detail. (20M)

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M.C.A IV Semester Supply Examinations, January - 2016

Subject : Distributed Systems — Exam Time : 3 hrs

Sub. Code : MCA 11406 — Max. Marks : 100

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

UNIT-I

1. (a) Define Distributed system? Explain goals of it's?
   (b) Discuss about Hardware Concepts?

(Or)

2. (a) Explain about software agents and it's technology?
   (b) Explain the threads in Distributed Systems?

UNIT-II

3. (a) Explain about Name Implementation and Name Resolution with examples?
   (b) Explain the approaches to location mobile entries?

(Or)

4. (a) Explain about logical clocks in Distributed Systems?
   (b) Explain about Election Algorithms?

UNIT-III

5. (a) Discuss about Client –Centric Consistency model.
   (b) Discuss about Distribution protocols.

(Or)

6. (a) Explain different types of failures.
   (b) Explain about client –server and group communication

UNIT –IV

7. (a) Discuss about DCOM architecture
   (b) Explain services of CORBA.

(Or)

8. (a) Describe the architecture of NFS
   (b) List out the differences between NFS & CODA

UNIT-V

9. (a) Explain memory coherence
   (b) Explain the algorithms for implementing DSM

(Or)

10. (a) Explain components of load Distributing.
    (b) Explain the sender initiated algorithm for load distribution.

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M.C.A IV Semester Supply Examinations, January - 2016

Subject : Unix Programming — Exam Time : 3 hrs

Sub. Code : MCA 11403 — Max. Marks : 100

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

UNIT-I

1. (a) Explain in detail about security and file permission concepts. (12M)
   (b) Explain about AWK program with an example. (8M)

(Or)

2. (a) What is UNIX ? Explain about various UNIX commands? (10M)
   (b) What is GREP command? Write about the features of UNIX 0.S. (10M)

UNIT-II

3. (a) What is Asynchronous I/O. Explain about socket address. (10M)
   (b) What are socket options? Explain about socket programming? (10M)

(Or)

4. (a) Explain about " Reserved Ports". (8M)
   (b) Explain about connection oriented client /server communication. (12M)

UNIT-III

5. (a) What are scalar variables in PERL? Explain the uses of PERL. (8M)
   (b) What are the fundamentals of arrays in PERL. Explain in detail with examples. (12M)

(Or)

6. (a) What are hashes & subroutines in Perl .Explain with example. (12M)
   (b) What are functions? Explain with examples. (8M)

UNIT-IV

7. (a) Explain about the characteristics & the primitives of PHP. (12M)
   (b) What is session tracking? Explain with examples? (8M)

(Or)

8. (a) What is pattern matching? In PHP? Explain with example. (12M)
   (b) Explain what are arrays in PHP with examples? (8M)

UNIT-V

9. (a) What is Python and explain its objects . (8M)
   (b) What are strings & lists? Discuss with suitable examples. (12M)

(Or)

10. (a) Write and explain about" Object Oriented "features of python. (10M)
    (b) Write short notes on "Mapping" with examples. (10M)

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MCA (IV semester) Semester End Examination, July 2016

Subject : Web Programming — Exam Time : 3hrs

Code : MCA 11404 — Max. Marks : 100

Answer the following questions 5×20M=100M

UNIT-I

1. (a) Explain Data Types in Java script. 10
   (b) Explain Java Script relational operators. 10

OR

2. (a) Explain programming modules in Java Script. 10
   (b) Explain about global functions in Java Script? 10

UNIT-II

3. Explain about Text Flow and Box Model. 20

OR

4. Explain about error handling event and ONLOAD event? 20

UNIT-III

5. Explain about Filters and Transitions. 20

OR

6. Explain about variant sub types in VB script . Write about string manipulations in VB Script. 20

UNIT-IV

7. (a) Explain about Internet information web server? 10
   (b) Explain installation of a web server. 10

OR

8. Explain Server side ActiveX components in ASP. 20

UNIT-V

9. Explain XML Extensible style language (XLS). 2

OR

10. What are the server sides includes in PERL.

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M.C.A IV Semester Examination, June /July - 2016

Subject : Data Warehousing & Data Mining — Exam Time : 3 hrs

Sub. Code : MCA 11401 — Max. Marks : 100

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

UNIT-I

1. Discuss various FIM Algorithms. (20M)

(Or)

2. Explain about Data Mining related areas, issues and Future trends. (20M)

UNIT-II

3. Write notes on Density based and Grid based methods of clustering (20M)

(Or)

4. Explain classification applications and techniques. (20M)

UNIT-III

5. a) Write the features of a Data Warehouse . (10M)
   b) Explain about life cycle of Data. (10M)

(Or)

6. Explain information flow mechanism in detail. (20M)

UNIT-IV

7. a) Explain the Data Warehouse characteristics and Goals. (10M)
   b) Write short notes on Data Warehouse and Data Marts. (10M)

(Or)

8. a) Write short notes on star schema. (10M)
   b) Write the characteristics of a Fact Table. (10M)

UNIT-V

9. a) Explain the importance of Keys in the Data Warehouse schema. (10M)
   b) Write short notes on Data transformation and Data Loading. (10M)

(Or)

10. a) Write short notes on Applications of OLAP in the real world. (10M)
    b) Explain various OLAP models. (10M)

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MCA (IV semester) Semester End Examination, July 2016

Subject	**: UNIX Programming**	**Exam Time**	**: 3hrs**
Code	**: MCA 11403**	**Max. Marks**	**: 100**

Answer the following questions **5×20M=100M**

UNIT-I

1. (a) What is UNIX? Explain about file system of UNIX . 10
   (b) Explain about security and file permission concept. 10

OR

2. (a) Define and explain regular expressions and grep family of commands. 10
   (b) What is shell programming? Explain about AWK programming with an example. 10

UNIT-II

3. (a) Explain various Advanced socket system calls. 10
   (b) Explain about socket programming with an example. 10

OR

4. (a) Explain about various socket signals. 10
   (b) Explain about Input/Output Multiplexing. 10

UNIT-III

5. (a) Explain strings and escape characters in PERL. 10
   (b) Write short notes on arrays and hashes in PERL. 10

OR

6. (a) Explain about regular expressions in PERL. 10
   (b) What is sub-routine? Explain. 10

UNIT-IV

7. (a) Explain about primitives of PHP . 10
   (b) What is session tracking? Explain with an example. 10

OR

8. (a) Explain about control statements in PHP . 10
   (b) Explain about pattern matching in PHP. 10

UNIT-V

9. (a) Explain about python objects. 10
   (b) Explain about conditionals and loops in Python. 10

OR

10. (a) Write short note on errors and exceptions in python. 10
    (b) Explain class and object in Python. 10

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MCA (IV semester) Semester End Examination, July 2016

Subject : Distributed System — Exam Time : 3hrs

Code : MCA 11406 — Max. Marks : 100

Answer the following questions — 5×20M=100M

UNIT-I

1. (a) Define Distributed System? Explain in the detail of software concepts in distributed system? 12
   (b) Explain the Client-server model with an example in distributed system? 8

OR

2. (a) Define process . Explain in detail the threads concepts in Distributed system? 12
   (b) Explain software agents with an example? 8

UNIT-II

3. (a) What are naming entities? Explain about DNS concept. 10
   (b) Explain the approaches in locating mobile entities? 10

OR

4. (a) Define Synchronization. Explain Cristian's clock synchronization algorithm? 10
   (b) Explain about a Ring Algorithm? 10

UNIT-III

5. (a) Explain about data-centric consistency protocols. 10
   (b) Explain about various consistency protocols. 10

OR

6. (a) Explain various concepts related to system failures? 10
   (b) Explain about reliable client – server communication? 10

UNIT-IV

7. (a) Explain about file service interface concept in Distributed file system design. 10
   (b) What is Distributed object based system? Explain GLOBE concept. 10

OR

8. (a) Explain COBRA Concept. 10
   (b) Explain CODA case study. 10

UNIT-V

9. (a) What is shared memory? Explain memory coherence. 10
   (b) Explain any one Distributed shared memory algorithm. 10

OR

10. (a) What is Distributed scheduling? Write issues in Load Distributing. 10
    (b) Explain Sender and Receiver initiated algorithm for local distribution? 10