

**Prof. G. Ram Reddy Centre for Distance Education  
Osmania University  
MCA – III Year 2014 ASSIGNMENTS**

**CDE-301 PAPER – I E-COMMERCE  
ASSIGNMENT – I**

1. Explain about Traditional E – Commerce.
2. Write short notes on the internet and the WWW.
3. Discuss about Revenue models for selling on the WEB.
4. Write about Web marketing strategies.
5. Explain Purchasing, Logistics and Support activities.
6. Explain Interaction, Legal and Ethical issues of E-Commerce.
7. Explain about WEB Server basics for the WEB Servers.
8. a. Write about E – Commerce Software for Small, Medium and Large Business.  
b. Discuss about Intellectual property rights.
9. Explain about Communication Channels and Web Servers.
10. a. Explain about SSL, SET, ACH and EBPP.  
b. Discuss about Planning E – Commerce initiatives.

**ASSIGNMENT – II**

1. Describe about Value chain in E-Commerce and SWOT Analysis.
2. Explain about Intranet and Extranet.
3. Explain about Revenue models in Transaction.
4. Briefly discuss E – mail Marketing & Advertising on web.
5. Write a short note on Supply Chain Management and EDI.
6. Explain in detail about Web portals.
7. Describe the Basic and Advanced functions of E – Commerce software.
8. Explain about the Security threats E-Commerce.
9. What are the objectives of E-Commerce Security and discuss how to protect Client Computers?
10. Discuss in details about various Payment Systems for E – Commerce.

**Prof. G. Ram Reddy Centre for Distance Education**  
**Osmania University**  
**MCA – III Year 2014 ASSIGNMENTS**

**CDE-302 PAPER – II CLIENT SERVER PROGRAMMING**  
**ASSIGNMENT – I**

- 1)What is an exception?Explain various types of exceptions with examples?
- 2)Explain the concept of multithreading along with program?
- 3)Describe J2EE 1.4 architecture?
- 4)What are the J2EE standard services?
- 5)a)Explain JDBC drivers?  
b)Explain HTML,XHTML.XML?
- 6)Explain the working of JSP sessions and cookies?
- 7)Explain java mail layered architecture?
- 8)Write about Java Naming & Directory Interface?
- 9)What is SOAP?Explain various elements of SOAP?
- 10)What are the various web services?Explain all of them in detail?

**PAPER:302 CLIENT SERVER PROGRAMMING**  
**ASSIGNMENT-11**

- 1)Why we are using applets?Explain JApplet with program?
- 2)What is socket?Explain java.net package?
- 3)Describe MVC layered architecture?
- 4)Explain interoperability?Describe how to deploy an application?
- 5)Explain Statement,Prepared statement and Resultset?
- 6)Describe the life cycle of a servlet?
- 7)What is an Enterprise Java Bean?What are the various enterprise beans we have?
- 8)a)Explain CORBA distributed computing model? b)Explain IDL?
- 9)Explain JMS API architecture?
- 10)Explain UDDI programming and UDDI data structures?

**Prof. G. Ram Reddy Centre for Distance Education**  
**Osmania University**  
**MCA – III Year 2014 ASSIGNMENTS**

**Subject: Software Quality Testing**  
**Assignment -I**

1. Define software quality and discuss SQM processes proposed by IEEE.
2. Discuss the concept of Rayleigh model frame work.
3. Explain the following software reliability models.
  - (a) Jelinski – Moranda (J-M) Model
  - (b) Goel – Okumoto (G-O) Model
4. (a) What are the four components in software development process?  
(b) Explain transaction flow testing techniques.
5. (a) What are ‘Test and test design Bugs’? Suggest remedies for the test.  
(b) Explain a testing approach for Multi-entry / Multi-exit Routines.
6. Explain about the Taxonomy used for bugs and explain the importance of bugs.
7. Explain the concept of path and domain boundary predicates in Domain Testing.
8. Explain the following:
  - (i) KV Charts
  - ii) State testing
9. Explain the use of Decision Tables as a basis for Test Case design.
10. Why programmers are responsible for software quality? Discuss the strategies.

**Subject: Software Quality Testing**  
**Assignment -II**

1. (a) Explain ISHIKAWA’s seven basic Quality tools.  
(b) Differentiate between Functional and Structural testing.

**Prof. G. Ram Reddy Centre for Distance Education**  
**Osmania University**  
**MCA – III Year 2014 ASSIGNMENTS**

2. (a) Briefly explain the concept of ‘Quality Management’ in software development.  
(b) With suitable example explain how the ‘Function Points’ can be used as a measure of quality.
3. (a) Explain the use of ‘Histogram’ as a Quality tool.  
(b) What is Path testing? How are paths selected and how a loop can be tested?
4. (a) Briefly discuss the non-parametric “PTR” model.  
(b) Explain the criteria that can be used for model assessment and comparison of the Reliability Models.
5. (a) Explain briefly about Defect Removal Effectiveness.  
(b) What are Ugly domains and how do Programmers and Testers treat them.
6. (a) What are the elements in a Control flow graph?  
(b) Explain how Inspections Reviews and Walkthroughs can be used in transaction flow testing.
7. Describe HALSTEAD’s metrics. What are the weaknesses of his work?
8. Discuss various Data-Flow testing strategies and explain various consequences of bugs.
9. Explain the following: (a) Decision table (b) State graphs
- 10.(a) What are the motivations for Logic based testing?  
(b) How do structural test generators help in Test Design Automation?

**CDE-304 PAPER – IV WEB PROGRAMMING**  
**ASSIGNMENT – I**

- 1) Explain the concept of [www.Architecture](#), HTTP and Role of HTML?
- 2) Write about on Text Styling, Formatting Texts, List, Tables and Formatting, Forms in HTML?

**Prof. G. Ram Reddy Centre for Distance Education  
Osmania University  
MCA – III Year 2014 ASSIGNMENTS**

- 3) Explain Data Types, operators, Control Structures of Java Script?
- 4) Write a programs on the Scope rules, Recursion, Passing Parameters using Java Script?
- 5) Explain about Operators, Data types, Control Structures, Functions, Arrays, String manipulations of VB Script?
- 6) What is Web Servers and Explain any two types of Web Servers?
- 7) Write about XML namespaces, DTDs?
- 8) Write about the DOM and its methods and also write XSL ?
- 9) Explain in briefly for the Common Gateway Interface ?
- 10) Explain in briefly for Perl 5?

**CDE-304 PAPER – IV WEB PROGRAMMING  
ASSIGNMENT – II**

- 11) Write about Visual Studio.Net Overview?
- 12) Write about introduction Visual Basic.Net and its Controls and Forms?
- 13) Write about variables, Program Flow and Procedures of Visual Basic.Net?
- 14) Write about overview of ASP.Net?
- 15) Explain developing ASP.Net Controls and Data Binding with Server Controls?
- 16) Write about Mobile Web applications, ADO.Net, XML, ASP. Net Applications?
- 17) Write about Visual C#.Net Overview?
- 18) Write about Windows applications and Services?
- 19) Write about .Net Web services and XML Services?
- 20) Write about the Web Service design Considerations and Web service Security?

**Note: Last date for submission of MCA I, II & III assignments :  
30-05-2014**