

ADIKAVI NANNAYA UNIVERSITY – RAJAMAHENDRAVARAM

**MCA-19205 II -Semester
WEB TECHNOLOGIES
MODEL QUESTIONPAPER**

Time:3Hrs

Max marks: 75

SECTION – A (4X15=60 Marks)

Answer ALL Questions

1. a) i) Explain the different layers and their roles in protocols of Computer Communication.
ii) What are the types of Bridges? Explain Simple Bridge? [10+5]
(OR)
b) Explain the concepts of data fragmentation and reassembly in detail.
2. a) i) How does the three way Handshake technique help in creating a TCP connection?
ii) Explain the concept of FTP (File Transfer Protocol)? [7+8]
(OR)
b) i) Describe the steps involved when a web browser request for and obtains a web page from a Web server?
ii) What are the three approaches for e-Commerce application Development and Explain Main features of a product such as IBM's Net.Commerce [7+8]
3. a) i) Describe how static Web pages are made dynamic?
ii) Create web pages for MOOCs with relevant fields. [8+7]
(OR)
b) i) What are the advantages of Client - side scripting?
ii) Describe ADO and how it can be used to interact with Databases? [7+8]
4. a) i) Describe the typical operation involving a middleware such as CORBA?
ii) Explain the concept of EDI? [7+8]
(OR)
b) i) Describe the anatomy of an XML Document?
ii) Explain WAP Architecture? [7+8]

SECTION– B (5X3=15 Marks)

Answer any FIVE Questions

5. a) What is ICMP?
b) Describe Spooling in brief?
c) What is Resolver?
d) What are Java Beans?
e) What is the need for XSL? Illustrate this with the help of an example?
f) Explain GPRS and UMTS?
g) Life cycle of JAVA Applet.

h) JAVA Remote MethodInvocation.