

P R GOVT COLLEGE (A), KAKINADA
DEPARTMENT OF COMPUTER SCIENCE
II B.Com(CS) / Semester- III (W.E.F. 2015-2016)
II B.Com (CS)

Course: WEB TECHNOLOGY

COURSE CODE: CP3305

Total Hrs. of Teaching-Learning: 52 @ 4 h / Week

Total Credits: 03

Objectives: After the successful completion of the course the student must know the concepts of internet and web design a web page. Web is a course designed to introduce two major approaches for designing and implementing websites and coding by hand with HTML. Projects will be presented to develop sites that integrate text, images, graphics, video, and sound.

Outcome: After completing this course.

Student can able to

1. Understand the structure of HTML programming.
2. Can able to different HTML tags.
3. Can able to design to HTML tags.

Module -1

(12h)

- a. **Mechanism of the Internet:** Distributed computing, Client-Server computing.
- b. **Computer Network:** communication model, data communication, Circuit switching and Broadband.
- c. **Network hardware:** network types, Wireless Networking.
- d. **Network Software:** Protocols Hierarchies, Design issues for the layers, Connection Oriented and connection less Service, service-primitives-Relation of services to protocols.

Module -2

(18h)

- a. **Web Browsing:** Browsers, Basic function, Browses with advanced facility.
- b. **Internet Explorer:** Netscape navigator, search Engines and general features of the search engines.
- c. Approaches to website selections, major search engines and Guidelines for effective searching

Module -3

(10h)

- a. **Web Basics:** Basics of a web browser, Features of HTML language.
- b. **Creation of html** document with Structure tags.
- c. **Formatting tags:** Formatting tags in html, lists and linking documents.
- d. Developing tables in html.

Module-4

(12h)

- a. **Images:** Using images in HTML Document, Adding multimedia objects.
- b. **Forms:** Text box, check boxes, Radio buttons, password fields, pull down file selector.
- c. Frames.

PRESCRIBED BOOKS:

1. HTML 4 HOW TO – Zakour foust kerven, Tec media, New Delhi
2. INTERNET – Douglas E. Comer Prentice – Hall, India
3. Computer networks – Andrew S. Tenenbaum, Prentice – Hall, India.
4. Data Communications & Networking – Behrouz A. Forouzoan.

P. R.GOVT. COLLEGE (AUTONOMOUS), KAKINADA
II B.Com(CS) / Semester- III (W.E.F. 2015-2016)

Course: WEB TECHNOLOGY
COURSE CODE: CP3305

SEMESTER-III

SUBJECT: WEB TECHNOLOGY
Course - II

Time: 3 Hrs
Marks: 70

Model blue print for the model paper and choice

S.NO	Type of Question	To be given in the Question Paper			To be answered		
		No. of Questions	Marks allotted to each question	Total Marks	No. of Questions	Marks allotted to each question	Total Marks
1	Section-A Very Short Questions	5	2	10	5	1	5
2	Section-B Short Questions	8	5	40	5	5	25
3	Section-C Essay Questions	8	10	80	4	10	40
TOTAL MARKS				130	TOTAL MARKS		70

$$\text{Percentage of choice given} = \frac{125 - 70}{125} \times 100 = \frac{55}{125} \times 100 = 44.00\%$$

P. R. GOVT COLLEGE (AUTONOMOUS), KAKINADA
MODEL PAPER (W.E.F.2015-16)
II B.Com (CS)
COURSE CODE: CP3305

SUBJECT: WEB TECHNOLOGY
PAPER-II

Time: 3 Hrs
Max. Marks: 70

SEMESTER-II

Section –A

Answer all questions

5x1=5M

1. Explain short notes about URL?
2. Explain broad caste channel?
3. What is meant Client –Server model?
4. Define repeaters, bridges, routers and gateways?
5. What is Network what benefits does it provide?

Section –B

Answer any five questions of the following

5x5=25 M

6. Explain about LAN, MAN, WAN and working strategies of internet?
7. Explain about a) Transmission mode b) Networking and internetworking devices
8. What is meant by browser and state different browsers?
9. Explain the process of creating HTML documents with structure tags?
10. Explain how images can be embedded into HTML document?
11. Explain about creating lists in HTML?
12. What are the advantages of Distributing process?
13. Write about ATM Switching and its principles and explain with example?

Section –C

Answer all the questions

4x10=40M

14. a) State the differences between distributed computing and client server technology?
(OR)
b) Explain about the following
(i) Circuit switching (ii) Packet switching
15. a) State the advantages of networks
(OR)
b) Explain about the creation of tables in HTML
16. a) Define topology and explain different types of topologies?
(OR)
b) Explain about the connection oriented and connection less and service primitives in detail?
17. a) Explain about OSI reference model?
(OR)
b) Explain about different formatting tags in HTML?

P R GOVT COLLEGE (A), KAKINADA
DEPARTMENT OF COMPUTER SCIENCE
II B.Com(CS) – Computers / Semester- IV (W.E.F. 2015-2016)
II B.Com (CS) Course: DB CONCEPTS & SQL
COURSE CODE: CP4305

Total Hrs. of Teaching-Learning: 52 @ 4 Hrs / Week

Credits: 03

Objectives: Data, database, database system, DBMS, Files, data independence, SQL, Data model, ER-diagrams, Normal Forms, transactions, SQL data types, SQL commands, Functional-dependency.

Outcomes: After completing this course, student can able to understand.

1. Architecture of DBMS.
2. Components of Database System
3. Normalization
4. Transaction Management

Module – 1:

Hrs: 12 Hrs

- a. **Introduction to Database systems:** Overview, Introduction: Definition of database systems, components of Database Systems, File System Versus DBMS, Advantages of DBMS.
- b. Architecture of DBMS, Data Independence, Describing and storing data in DBMS-Relational Model.

Module – 2:

Hrs: 10 Hrs

- a. SQL Queries
- b. DDL commands, DML commands, DCL commands, TCL commands, Data constraints, data types, sub-queries, joins.
- c. Set operators, aggregate functions.

Module – 3:

Hrs: 12 Hrs

- a. **Normal Forms:** Introduction, Functional Dependencies, And Normal Forms: I, II, III.

Module – 4:

Hrs: 8 Hrs

- a. **Transaction Management & Concurrency Control:** ACID Properties, Serializability.
- b. Lock-Based Protocol, Time stamp Based Protocols.

Prescribed Books:

1. DataBase Management Systems: Raghu Ramakrishnan, Johannes Gehrke McGraw Hill Edition.
2. Database Management Systems: Majumdar, Pritimoy Bhattacharya
3. Database Management Systems: C.J. Date
4. Database Management Systems: H.F.Korth

P. R.GOVT. COLLEGE (AUTONOMOUS), KAKINADA
MODEL BLUE PRINT (w.e.f: 2015-16)
II B.Com (CS) COURSE CODE: CP4305
SEMESTER-IV

SUBJECT: DB CONCEPTS & SQL
PAPER- II

Time: 3 Hrs
Marks: 70

Model blue print for the model paper and choice

S.NO	Type of Question	To be given in the Question Paper			To be answered		
		No. of Questions	Marks allotted to each question	Total Marks	No. of Questions	Marks allotted to each question	Total Marks
1	Section-A Very Short Questions	5	1	5	5	1	5
2	Section-B Short Questions	8	5	40	5	5	25
3	Section-C Essay Questions	8	10	80	4	10	40
TOTAL		21		125	TOTAL MARKS		70

$$\text{Percentage of choice given} = \frac{125 - 70}{125} \times 100 = \frac{55}{125} \times 100 = 44.00\%$$

P. R. GOVT COLLEGE (AUTONOMOUS), KAKINADA
MODEL PAPER (W.E.F 2015-16)
II B.Com (CS)
COURSE CODE: CP4305

Subject: DB CONCEPTS & SQL

Time: 3 Hrs

Paper: II

Marks: 70

SEMESTER – IV

SECTION - I

Answer ALL questions

5 x 1M= 5 M

- 1.) DBA
- 2.) Define Data model?
- 3.) DDL commands in SQL?
- 4.) Advantages of Normal Forms?
- 5.) Define Transaction?

SECTION - II

Answer ANY FIVE questions

5 x 5M= 25M

- 6) Explain about database users?
- 7) Define DBMS? Briefly explain advantages of DBMS?
- 8) Briefly explain set operators in SQL with example?
- 9) Explain about aggregate functions in SQL.
- 10) Explain about I Normal Form with example?
- 11) Explain about III Normal Form with example?
- 12) Write about ACID properties?
- 13) Write about concurrency control mechanism?

SECTION - III

Answer ALL questions

4 x 10M = 40M

14. a) State the differences between File system and DBMS.
(OR)
b) Explain DBMS Architecture in detail?
15. a) What is Query? Explain DDL, DML and DCL commands in SQL?
(OR)
b) i) Write about different joins in SQL?
ii) What are the different data types in SQL?
16. a) What is Normalization? Explain II NF in detail?
(OR)
b) What is Normalization? Explain about III Normal Form in detail?
17. a) What is a Transaction? Why concurrency control is needed for Transactions?
(OR)
b) What is Data Model? Discuss about Relational Data Model in Detail?