HIMACHAL PRADESH UNIVERSITY, SUMMER HILL, SHIMLA

INTERNATIONAL CENTRE FOR DISTANCE EDUCATION AND OPEN LEARNING

(COMPUTER SCIENCE DEPARTMENT)

ASSIGNMENT No:

| | |
|---|---|
| Course: | Semester: |
| Name of Student: | Roll No: |
| Paper Code: | Paper Title: |
| Theory/Lab: | Date of Submission: |
| Session: | Batch: |

Signature of Student

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**Himachal Pradesh University, Shimla**

**Assignment**

**DCA 2ⁿᵈ Semester    Subject: DCA-201  Computer Networks**

1. Explain about various network topologies.

2. What is the use of connector, transceiver, router and hub?

3. Briefly explain about OSI reference model.

4. Discuss about various guided and unguided media.

5. What is sliding window protocol?

6. Differentiate between LAN, WAN and MAN.

7. Discuss about various network security issues.

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**Assignment**

**DCA 2ⁿᵈ Semester    Subject: DCA-202 Internet Technology and Web Page Design**

1. What are the features of Internet?
2. Discuss about evolution and history of world wide web.
3. What is HTTP? How does it work?
4. What is telnet? Discuss about its various features.
5. What is HTML? Discuss about its features.
6. What is Java script? How do you develop a Java script?
7. How do you format your site with cascading style sheets?
8. What are various website design principles?

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**Assignment**

**DCA 2nd Semester    Subject: DCA-203  DBMS**

1. What are the limitations of traditional file-based systems?
2. What is DBMS ? What are its characteristics?
3. Describe three schema architecture of DBMS.
4. List the commands in DDL, DCL and DML.
5. Who is DBA? What are his roles?
6. What are Super key, candidate key and primary key?
7. What is an Entity type?
8. Give a brief explanation of ER diagram

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**Assignment**

**DCA 2nd Semester    Subject: DCA-204 E-commerce**

1. Define E-commerce. Describe the benefits of E-commerce.

2. What do you understand by E-commerce application services.

3. What is supply chain management.

4. Describe in brief about B2B, B2C and C2C.

5. What is EDI? What are its advantages?

6. Describe about various threats in computer system.

7. What are firewalls? What are they used for?

8. What are intellectual property rights?

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**Assignment**

**DCA 2ⁿᵈ Semester     Subject: DCA-251  DBMS Lab**

1. Write two DDL commands each for following:

    a.  Create with not null, primary key and unique constraints.

    b.  Alter

    c.  Drop

2. Write two DML commands each for the following:

    a.  Insert

    b.  Update

    c.  Delete

3. Write two DCL commands each for the following:

    a.  Grant.

    b.  Revoke

4. Write two DQL commands each  for the following:

    a.  Select

    b.  Select with where clause.

    c.  Select with AND operator

    d.  Select with min() and max() functions

    e.  Select with 'IN' and 'BETWEEN'

**Assignment**

**DCA 2ⁿᵈ Semester          Subject: DCA-252 (Lab-II Internet Technology & Web Page Design)**

1. Create a Web Page to Include Images using HTML tag.

2. Create a table using <table> tag.

3. Create a HTML file that specifies a page that contains a heading and two paragraphs of text. Use the HTML tags <h1> and <p> in this exercise.

4. Create a static web page to demonstrate inline CSS. Use blue color for text and green color for background.

5. Create link using <a> HTML tag.