

SDM COLLEGE OF ENGINEERING & TECHNOLOGY, DHARWAD
Department of Computer Science & Engineering
Internal Assessment Test – III

Semester : IV [A & B]

Course Title & Code : Web Technology [22UPCSC405]

Course Teacher(s): Prof. Prathap Kumar M.K

Date : 15/06/2024

Time: 9:30 to 10:30 A.M.

Max Marks : 20

Note: Question 3 is compulsory. Also answer any one full question from Q1 and Q2.

Q1.

Marks/COs

- a. Write an HTML markup to create a web page that allows users to select three of your favorite computer science subjects using checkboxes. When the user submits their choices, a PHP script will process the selection and display the chosen subjects in a tabular format.

5M/CO 1,4

- b. Explain SOAP based web service architecture.

5M/CO 5

Q2.

- a. Write the PHP script that collects the student's USN and percentage of attendance (Assume these data are collected from the web page) and update the same as given in the table below. The script will update the percentage of attendance with the input data. Also, update the status to "E", if the percentage of attendance is greater than 85%, otherwise "NE" as shown in the table.

5M/CO 4

Database: AttendanceDB				
Table name: tble_FourthCSEAttnd				
Roll No	Course code	Semester	Attnd_Percentage	Status
101	11CS407	4	65	NE
112	11CSC401	4	60	NE
135	11CS409	4	88	E

- b. List and describe the AJAX's XMLHttpRequest object properties.

5M/CO 6

Q3.

- a. Consider the following JSON data format stored in a StudentsInfo.json file. Write a PHP script to develop a web page that converts the below given object data into a readable format and displays it with the help of an ordered list of HTML elements.

5M/CO 6

```
{
  "Students": [
    {
      "Roll_No": 111,
      "Name": "Jumaane",
      "CGPA": 9.12
    },
    {
      "Roll_No": 222,
      "Name": "John",
      "CGPA": 7.23
    }
  ]
}
```

- b. Explain the layered architecture of the semantic web with a neat diagram.