



SCAN ME



SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING

CAT-1 - Winter Semester - 2019-20

Course Name: Open Source Programming

Duration: 90 mins

Course Code: ITE1008

Max. Marks: 50

Faculty: Prof. R. Rathi & Prof. Subashanthini

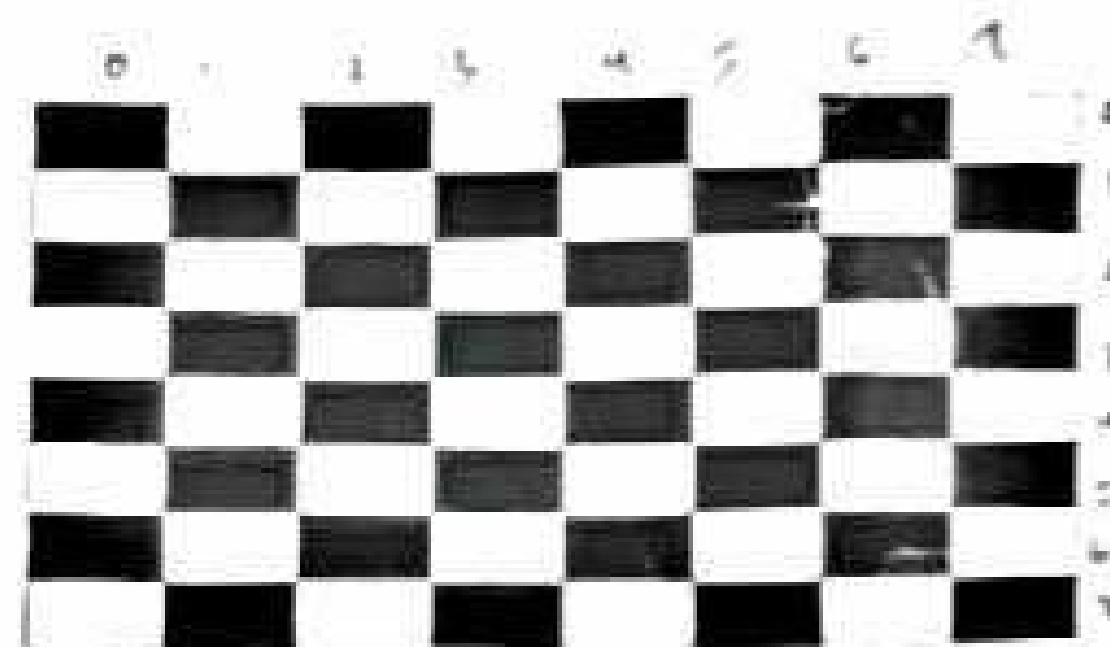
Slot: B2

PART A

Answer all Questions

Marks: 4 * 12.5 = 50

1. Write a PHP program using nested for loop that creates a chess board with necessary inputs to be retrieved using HTML form



2. Write a PHP program for student management system and do the following using file handling function

a) Create a HTML form for different users of the system such as Teacher and student (radio button). Teacher features includes create a login, add, delete and display subjects (5) along with credits, marks and results of 5 students and write all those information to a file. Result processing (If average is 50, he is pass, else he is fail). Course registration (If credits are less than 20, display a message "Proceed with Registration", else display "Successful")

b) Student Features includes create a account, register for the courses, view their results.

Note: All those processing must be carried out with file handling concepts.

3. a) Develop a PHP script to create a birthday countdown application. In the application give the input of birthday month, day, and year, the application should output a message that tells the user how many days, hours, minutes, and seconds are there until your birthday. When the countdown is zero, then the application should wish you with birthday wishes by displaying greeting card along with some wording.

b) Develop a PHP program to generate Electricity Bill with the following conditions. For first 100 units - Rs. 0/unit, For next 100 units - Rs. 10.00/unit, For next 100 units - Rs. 20/unit, For units above 300 - Rs. 25/unit

4. a) Write down the difference between GET and POST method. (2)
- b) Write down difference between Include and require function in PHP with an example. (3)
- c) Write down the difference between open source software and free software. (3)
- d) Write a PHP script to count the number of occurrences of a particular substring pattern in a given sentence. (2)
- e) Write down the difference between Copyright and copy left. (2.5)