

LAB ASSIGNMENT 1 – IT2001 – DS&A

Submission deadline - 4th Aug 2021 Time: 12PM

(a) c program to check if two matrix are identical and find the sum and difference of upper triangular matrix.

(b)Write a program to reverse each word of a string and print vowels in a capital letters in the reversed string.

(c)Create an array of structure health to store mobile no, weight, temperature, blood group, and height of patients.

(i)List people with weight more than 50 Kg or blood group B+

(ii)List people with rare blood groups : A-,B-,AB+, AB-

(d)Create a structure to store the data of students with the following fields:
Roll number, Name, Department, Course, Year of joining.

Assume that there are not more than 50 students in the college.

(i)Write a function to print the data of a student whose roll number is given

(ii)course IT2001 is opted as a course by student.