SP-V/Com. Sc.-501-DSE-1A(PR)/19

B.Sc. 5th Semester (Programme) Practical Examination, 2019-20

COMPUTER SCIENCE

Course ID : 51528 **Course Code : SP/CSC-501-DSE-1A**

Course Title: Internet Technology

Time: 2 Hours **Full Marks: 15**

The figures in the right hand side margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Viva + LNB = 5, Experiment = 10

Perform *any one*. 10×1=10

1. Write arrange pattern programme in Java:

7 6 5 4 3 2 1
7 6 5 4 3 2
7 6 5 4 3
7 6 5 4
7 6 5
7 6
7

2. WAP count number of vowel in given string:

String : COMPUTER APPLICATION

3. WAP to check a number is palindrome or not.

4. WAP to check whether a year leap year or not.

5. Display Good Morning <uname>, Good Afternoon <uname> or Good Evening <uname> based on the current time of the day in JSP.

6. WAP in JSP, validate user input entered in a form. Then input Name, DOB, E-mail ID, etc.

7. Write a javascript

(a) to change the colour of text using set time out ().

(b) to move an image across screen using set Interval ().

B.Sc. 5th Semester (Programme) Practical Examination, 2019-20

COMPUTER SCIENCE

Course ID : 51528 **Course Code : SP/CSC-501-DSE-1A**

Course Title: Programming in Java

Time: 2 Hours **Full Marks: 15**

The figures in the right hand side margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. WAP to check whether a given string is palindrome or not.

2. Write a Java programme that computes the area of a circle, rectangle and a cylinder using function overloading.

3. Write a program in Java to store the word 'SCHOOL' in an appropriate variable and generate the following output:

S
S C
S C H
S C H O
S C H O O
S C H O O L

4. Write a program in Java to accept a number and find its largest digit.

5. Write a programme in Java to find the sum of the series $S = 1 + (1 * 2) + (1 * 2 * 3) + \cdots$ up to n terms.

6. Write a menu-driven program in Java to perform either of the following conversions depending on the user choice:

(i) km to cm
(ii) Hours to minute

7. WAP to store the names of 50 students in a single-dimensional array and to arrange them in alphabetical order using the bubble sort technique only.

8. WAP to check whether a year is leap year or not.