



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 3rd Semester Examination, 2022

CC6-COMPUTER SCIENCE (32L) (PRACTICAL)

OPERATING SYSTEM LAB

Time Allotted: 2 Hours

Full Marks: 20

The figures in the margin indicate full marks.

Answer any *one* question on lottery basis

1. Write a shell script to check whether a given year is leap year or not.

2. Write a shell script to find the Armstrong numbers between 1 & 100.

3. Write a shell script to print all prime numbers between 1 & 100.

4. Write a shell script to check whether a number is perfect square or not.

5. Write a shell script to find the area of a circle, rectangle or a triangle using user input.

6. Write a shell script to find the prime factors of a number.

7. Write a shell script to check whether a given string is palindrome or not.

8. Write a shell script to find the largest and smallest number from a list of 10 integers.

9. Write a shell script to find the numbers and their sums between 100 to 300 which are divisible by 3 and 7.

10. Write a shell script to convert a binary number to its decimal equivalent.

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