

**U.G. 5th Semester Examination - 2020****COMPUTER SCIENCE****[PROGRAMME]****Skill Enhancement Course (SEC)****Course Code : Com.Sc(P)SEC-P-503/PR****[PRACTICAL]**

Full Marks : 50

Time : 2 Hours

**Marks Allotment :**

Class Attendance and Internal : 10 Marks

Semester End Practical : 40 Marks (Experiment : 30 Marks, Viva : 10 Marks)

*Write the one of the following codes by using either Visual Basic or GAMBAS*

1. Write an application to compute the sum of two variables. Use two separate text boxes for two inputs and another text box for output. The output will be shown after a delay of 3 seconds.
2. Write an application that has a blank text box and a button that says "Press Here". Clicking that button will display "Good Morning".
3. Write an application to compute the factorial of a number given as user input.
4. Write an application to compute the Fibonacci series of a number given as user input.
5. Write an application to compute the sum of prime numbers till a number provided by user.
6. Write an application to compute the maximum of three numbers. Use different text boxes for 3 inputs and the output.
7. Write an application to compute the sum of numbers in an array of 10 integers.
8. Write an application to compare two strings provided by user.
9. Write an application to make a calculator that can perform  $n^{th}$  power and  $n^{th}$  root of a number.
10. Write an application to choose your hobbies from a list.
11. Write an application to illustrate the use of color radio button.
12. Write an application which will count all vowels, consonants, digits, special characters and blank spaces in a sentence.
13. Write an application to take input of two matrices and perform their addition, subtraction and multiplication using menu editor.
14. Write an application to compute the minimum of three numbers. Use different text boxes for 3 inputs and the output.

*[Turn over]*

15. Write an application to reverse a number given as user input.
16. Write an application to take a user input and print multiplication table of the number in the following format. If the input is 5 then the table will be  
 $5 * 1 = 5$   
 $5 * 2 = 10$   

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 $5 * 10 = 50$
17. Write an application to show a message with 5 seconds delay using timer.
18. Write an application that can calculate EMI. User inputs will be Loan Amount, Interest Rate and Loan Tenure.
19. Write an application to change back color of textbox using scroll box.
20. Create a countdown timer in which user will set a fixed time and the timer will count down to zero. Use different text boxes for every digits of Hours, Minutes and Seconds.

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