

**C.S. PAPER - I PRACTICAL QUESTIONS FOR**

**SECOND SEMESTER PRACTICAL EXAM 2019**

**CLASS: XI (ALL DIVISIONS)**

- a) Write a C++ program that reads an integer from the user in main( ) function.  
Define a function fact( ) to calculate and return the factorial of this integer.  
Print the factorial value from main( ) function. **[15M]**
- b) Execute the program and show the output to the examiner. Also, write the output. **[10M + 5M]**

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- a) Write a program in C++ that reads a sentence from the user. The program must count and print the total words in the given statement. **[15M]**
- b) Execute the program and show the output to the examiner. Also, write the output. **[10M + 5M]**

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- a) Write a C++ program to read three integer values from the user in main( ). Define a function that calculates and returns the greatest of these integers. Print the greatest integer from the main( ). **[15M]**
- b) Execute the program and show the output to the examiner. Also, write the output. **[10M + 5M]**

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- a) Write a program in C++ that initializes an array of 10 integers. Find and print the smallest element from the array. **[15M]**
- b) Execute the program and show the output to the examiner. Also, write the output. **[10M + 5M]**

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- a) Write a program in C++ that reads a line of text from the user. The program must replace all the spaces by an asterisk '\*' in the given string. Print the original string and modified string as well. **[15M]**
- b) Execute the program and show the output to the examiner. Also, write the output. **[10M + 5M]**

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a) Write a program in C++ that reads an array of 10 integers from the user. The program must calculate and print sum and average of the array elements.

**[15M]**

b) Execute the program and show the output to the examiner. Also, write the output.

**[10M + 5M]**