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| **COMSATS University Islamabad**  **Sahiwal Campus** | | |
| **Department of computer science** | | |
| **FUNCTIONS TASK** | | |
| **Subject:** Programming Fundamentals | **Couse code:** CSC103 | **Due date: \_\_\_\_\_\_** |
| **Instructor:** M. Khurram Nisar | **Class:** FA23-BCS-E | **Total marks:** 10 |

Note: You need to develop and run these programs of your own. I may conduct viva/quiz to verify if programs are written by you. Failure to show understanding of code, copied tasks and code written using AI tools will yield 0 marks.

1. Write a program that prints Fibonacci sequence using functions.
2. Write a program that prints factorials of a number using functions.
3. Write a program that calculates ( ncr = n!\(n-r)!.r! ) using functions.
4. Write a program that prints pascal triangle using functions.
5. Write a program that prints sum of n natural numbers.