GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

(An Autonomous Institute of Government of Maharashtra)

National Highway No.6, JALGAON – 425 002

Phone No.: 0257-2281522	Fax No.: 0257-2281319
Website : www.gcoej.ac.in	E-mail : princoej@redifmail.com

Name of Examination : **FY Winter 2021** - (Preview)

Course Code & Course Name : **CO101U - Programming for Problem Solving**

Generated At : **18-05-2022 11:30:36**

Maximum Marks : **60**   Duration : **3 Hrs**

Edit   Print   View Answer Key   Close   **Answer Key Submission Type:** Marking scheme with model answers and solutions of numerical

Instructions:

1. *Solve any two sub questions from Q.No. 1, 2, 3 and Q.No. 4 & 5 are compulsory.*
2. *Illustrate your answer with suitable figures/sketches wherever necessary.*
3. *Assume suitable additional data; if required.*
4. *Use of logarithmic table, drawing instruments and non programmable calculators is allowed.*
5. *Figures to the right indicate full marks.*

---

1)   Solve any two sub questions

a) Define algorithm & explain properties of algorithms?   [06]

b) Explain basic Data Types in 'C' programming?   [06]

c) Explain components of computer system?   [06]

2)   Solve any two sub questions

a) Write a program to print given number is palindrome number or not in C.   [06]

b) Explain use of gets and puts function in C program with example?   [06]

c) Differentiate while and do-while loop with an example?   [06]

3)   Solve any two sub questions

a) How to define, declare, and accessing a function with any one example?   [06]

b) Write a program in C to demonstrate structure?   [06]

c) Write a program in C to subtract two matrices of size 3x3.   [06]

4)

a) Explain bubble sort algorithm?   [06]

b) Explain linear search algorithm?   [06]

5)

a) Explain all the input and output operations on files?   [06]

b) Write a C program to open a file.   [06]

Auto Generated by SsOES v6.2