

University Institute of Engineering and Technology

Subject: Computer Programming

EEE-(Sec-1 &II)-2021 June

MINOR-1

MARKS: 30

Duration: 90 Min

Instructions:

- **Attempt answers on A4 Sheet and Scan all the copies in sequence in PDF Format.**
- **Write down your Rollno and Name and Page No. on each sheet.**
- **Scan the copy of program Output too with your program.**

Attempt All Questions.

Q.1 Define (i) Preprocessor (ii) void (iii) Run time initialisation (iv) sizeof operator (1 X 4)

Q.2 Explain Cache Memory. (2)

Q.3 Write a program to find greatest among 11 numbers only using conditional operator(?:) (3)

Q.4 Explain all Bitwise operators by taking an examples. (3)

Q.5 Difference between (a) While & Do-While (b) break and continue (3)

Q.6. Define Associativity. Its types ? Solve this expression showing step by step.

$C = 56 / 12 * 34 + 45 - 12 - 23 / 2 * 8 / 4 * 3$ (3)

Q.7 Display prime factors of a number 1500. Explain each line using all sections of structure of C program (3)

Q.8 Write a program to print pattern till n rows (3)

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      2
    4      6
  8      10      12
14      16      18      20
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Q.9 Write a menu driven program using switch case (6)

Case 1. Print Alternate Prime nos (1-1000).

Case 2 .Print $x^1/1! - x^2/2! + x^3/3! - x^4/4! + \dots$ upto n terms

Case 3. Exit from a program.