Shambhunath Institute of Engineering & Technology, Prayagraj

Department of Computer Science and Engineering

B. Tech. – 2022-23

Programing for Problem Solving (BCS-201)

Branch: -ALL

Assignment -1

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| Q. No | Question | CO |
| 1 | What are primitive data type in c programming? Specify their name, storage requirement, range and format specifier. | CO1 |
| 2 | Draw the block diagram of a digital computer and explain its various components. | CO1 |
| 3 | Differentiate between 1. compiler and interpreter
2. linker and loader
3. RAM and ROM
 | CO1 |
| 4 | What is operation system? Write its various function. |  |
| 5 | Write sort notes on following:1. Object and executable code
2. Syntax and logical errors
 | CO1 |
| 6 | What are storage classes? Compare auto, static, register and extern. | CO1 |
| 7 | Define C tokens. Explain keywords, identifiers, and constants.  | CO1 |
| 8 | What is algorithm? Mention its properties.  | CO1 |
| 9 | Write a pseudocode to:1. find whether an input number is even or odd
2. find the area and circumference of a circle
3. convert the temperature from Fahrenheit and calicoes
 | CO1 |
| 10 | Draw a flow chart:1. to compare two numbers
2. to find smallest among three numbers
3. to find given number is prime or not
 | CO1 |