

|  |  |
| --- | --- |
| **Branch/Semester** | B.Tech CSE (AI & ML) / Semester I |
| **Subject Name:** | Computer Programming |
| **Subject Code:** | 01CE2101 |
| **Assignment:** | Practice Questions (Conditional Statements) |
| **Date:** | 22th August 2025 |
| **Faculty Name:** | Prof. Abhishek Chauhan |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.** | **Question** | **CO** | **BL** |
| **1** | Check whether a number is positive or negative using if-else. | CO2 | BL1 |
| **2** | Check whether a number is even or odd using if-else. | CO2 | BL1 |
| **3** | Find the largest of two numbers using if-else. | CO2 | BL2 |
| **4** | Find the largest of three numbers using if-else-if. | CO2 | BL2 |
| **5** | Check whether a year is a leap year using if-else. | CO2 | BL3 |
| **6** | Check whether a character is a vowel or consonant using if-else. | CO2 | BL3 |
| **7** | Check whether a student is pass or fail based on marks (≥ 40 = pass). | CO2 | BL3 |
| **8** | Display the day of the week using switch (1 = Monday … 7 = Sunday). | CO2 | BL2 |
| **9** | Create a simple calculator (add, subtract, multiply, divide) using switch. | CO2 | BL3 |
| **10** | Check whether a character is a vowel or consonant using switch. | CO2 | BL3 |
| **11** | Display the name of a month (1–12) using switch. | CO2 | BL3 |
| **12** | Display grade based on marks using switch: A = 90–100, B = 75–89, C = 50–74, F = < 50. | CO2 | BL4 |
| **13** | Find the largest of two numbers using the ternary operator. | CO2 | BL2 |
| **14** | Check whether a number is even or odd using the ternary operator. | CO2 | BL5 |
| **15** | Find the largest of three numbers using the nested ternary operator. | CO2 | BL4 |