## **City University**

#### Faculty of Science & Engineering

**Department of Computer Science and Engineering**

**Program: B.Sc. in CSE**

**Midterm** Examination Semester: Fall 2021

Course Code: CSE 316 Course Title: Operating System Laboratory

Total Marks: 30 Duration: 1 hour 30 Minutes

Answer all the questions

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| 1 | Write a shell script which takes year as an integer input through the keyboard and determine whether it is a leap year or not. | 06 |
| 2 | Write a program to calculate overtime pay of 10 employees. Overtime is paid at the rate of Rs. 12.00 per hour for every hour worked above 40 hours. Assume that employees do not work for fractional part of an hour. | 06 |
| 3 | Write a code and draw a flowchart to accept a value in degrees Celsius and to convert it into Fahrenheit. **[Hint: C/5 = (F-32)/9]**. | 06 |
| 4 | |  | | --- | | Write a program to arrange the following names in alphabetical order. **George Albert Tina Xavier Roger Tim William** | | 06 |
| 5 | Write a shell script which displays a list of all files in the current directory to which you have read, write and execute permissions. | 06 |