Instructions to Candidates:
- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

1A. Prajwal wants to transfer all his highly confidential C program files, C++ program files and java program files to different folders namely *C_Codes, CPP_Codes* and *Java_Codes* respectively from present working directory. Once it is transferred to the respective folder he wants to crosscheck the folder by counting number of files transferred. Also change the permissions of C program files in such a way that only owner will have the *write* permission. Write the suitable shell commands to complete this task. **5M**

1B. What do you mean by piping between the commands in Linux? Illustrate the working of piping with suitable shell commands. **2M**

1C. How does Linux differs from other proprietary operating systems? How can the user track last 8 commands that has been executed recently? **3M**

2A. Give different forms of if-conditional statements in bash. Write a bash shell program to find largest of three numbers read from keyboard, using suitable decision making constructs. **4M**

2B. Write a Shell program using *case* statement to convert any digit (between 0-9 only) to corresponding English word. **3M**

2C. Assume that you have a directory called *vision2030,* in which you already have a set of files. Give the series of *git* commands to keep all files under git version control system. **3M**

****