**Instruction:**

1. **Plagiarism will be checked after the exam. If found, all involved students will get zero.**
2. **After completion, you need to submit your code via Google Form. Use following link**

**https://docs.google.com/forms/d/e/1FAIpQLSdrcPHZAghjGGo2lrNPUTLy56hF3CQ1zPg3YHS7wYJXy8-Bvw/viewform?usp=sf\_link**

1. **The file name of your program should be your roll underscore test2 with .c extension. For example, if the roll number is 2202222, the file name should be “2202222\_test2.c”**
2. **Mark will be deducted for every minute delay in submission.**
3. **Submission time 10:30 AM, 26th February.**

Write a program in which three numbers are taken as input. Let these be x, y and z. The program then creates a child process to find all the prime numbers between the first two given numbers: x and y (including the numbers) and then display these. The parent waits for the child process to finish for z seconds. The parent process should use alarm() for waiting for z unit time.

If the child process finishes, the parent process prints “All the prime numbers printed”. Otherwise, the parent process kills the child process and prints “Calculation is taking too much time”. The parent calls longjmp in both cases and printing is done based on the value passed to setjmp.