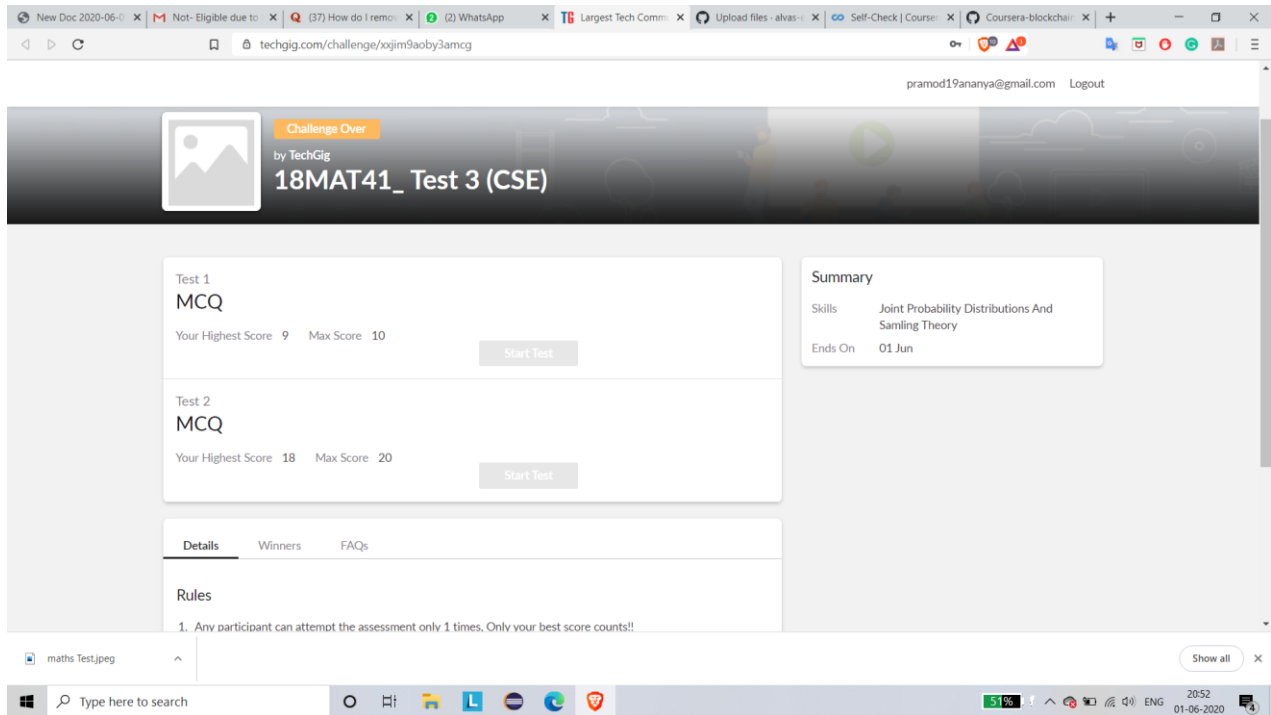


DAILY ONLINE ACTIVITIES SUMMARY

Date:	01/06/2020		Name:	Pramod R
Sem & Sec	4 th sem B section		USN:	4AL18CS059
Online Test Summary				
Subject	COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS			
Max. Marks	30	Score	27	
Certification Course Summary				
Course	Blockchain Basics			
Certificate Provider	Coursera	Duration	4 weeks	
Coding Challenges				
Problem Statement: Write a Java program to calculate nPr.				
Status: Completed				
Uploaded the report in Github		YES		
If yes Repository name		https://github.com/alvas-educationfoundation/Pramod_R		
Uploaded the report in slack		YES		

Online Test Details: (Attach the snapshot and briefly write the report for the same)



COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS internals was conducted. A total of 30 questions were there in which all the 30 of them were Multiple Choice Questions.

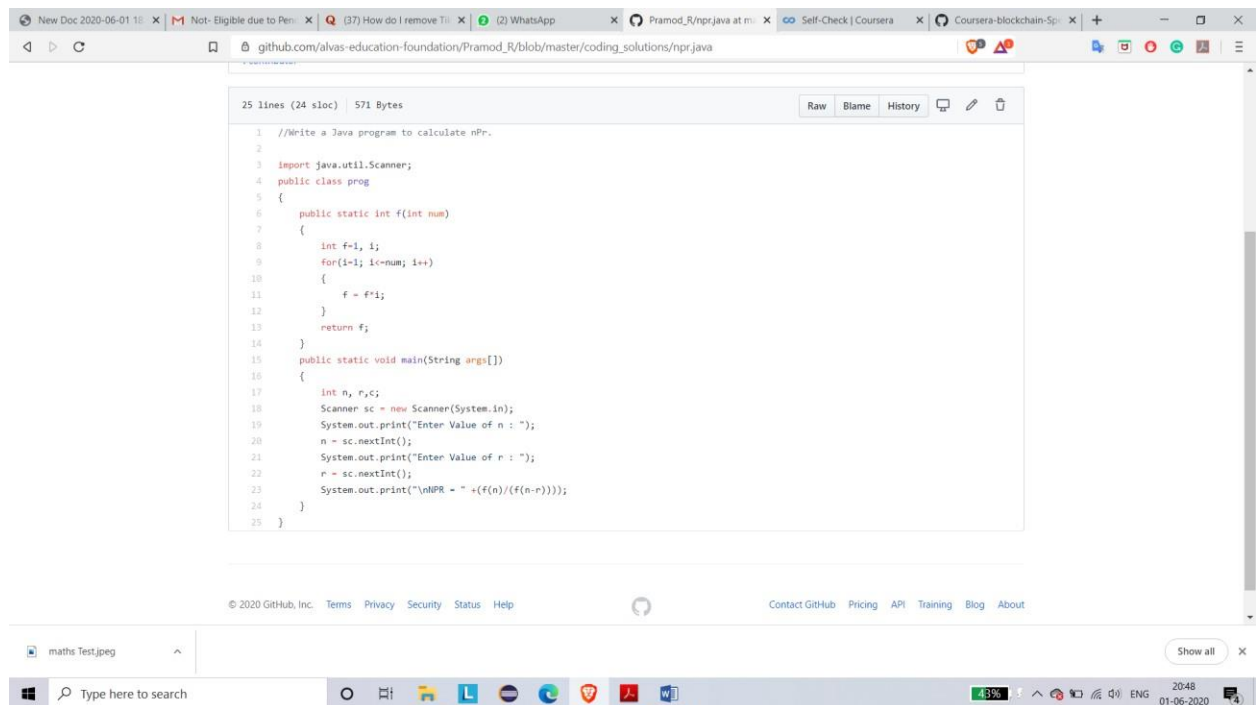
The above snapshot is the result sheet which was mailed to us by the Techgig team

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

The screenshot shows the Coursera interface for the 'Blockchain Basics' course. The top navigation bar includes the Coursera logo, an 'Explore' button, a search bar with the placeholder 'What do you want to learn?', a notification bell, and a user profile for 'Pramod R'. The breadcrumb trail indicates the current location: 'Blockchain Basics > Week 3 > (OPTIONAL) Resources: Hashing'. The left sidebar lists course topics: 'Public-Key Cryptography', 'Hashing', 'Transaction Integrity', 'Securing Blockchain', and 'Week 3 Evaluation: Algorithms & Techniques'. Under 'Hashing', there are three items: 'Video: Hashing' (5 min), 'Reading: (OPTIONAL) Resources: Hashing' (30 min), and 'Practice Quiz: Self-Check' (4 questions). The main content area features a large image of Earth from space, followed by the heading 'Week 3, Lesson 2 Resources: Hashing'. Below this, a paragraph states that the following resources were selected to provide an overview of hashing. Two resources are listed: 1. 'What Is Hashing? Under The Hood of Blockchain' (Website), described as an article explaining the basics of hashing and its role in the mining process. 2. 'SHA: Secure Hashing Algorithm - Computerphile' (Video, 10:20), which is a video resource.

The course I have chosen during the lockdown period is Blockchain basics. Since I had previously knew few topics about bitcoin I am continuing this course. Since Blockchain is gaining a lot interest in the IT Sector I have preferred to choose this course.

Coding Challenges Details: (Attach the snapshot and briefly write the report for the following)



The screenshot shows a web browser displaying a GitHub repository page. The URL is `github.com/alvas-education-foundation/Pramod_R/blob/master/coding_solutions/npr.java`. The file is named `npr.java` and is 25 lines long (24 sloc) and 571 bytes. The code is a Java program to calculate nPr. It includes a `Scanner` to take input for `n` and `r`, and a recursive function `f` to calculate the factorial of `n-r`. The main method prints the result of `nPr` as `n! / (n-r)!`.

```
1 //Write a Java program to calculate nPr.
2
3 import java.util.Scanner;
4 public class prog
5 {
6     public static int f(int num)
7     {
8         int f=1, i;
9         for(i=1; i<=num; i++)
10         {
11             f = f*i;
12         }
13         return f;
14     }
15     public static void main(String args[])
16     {
17         int n, r;
18         Scanner sc = new Scanner(System.in);
19         System.out.print("Enter Value of n : ");
20         n = sc.nextInt();
21         System.out.print("Enter Value of r : ");
22         r = sc.nextInt();
23         System.out.print("nPr = " + ((f(n))/(f(n-r))));
24     }
25 }
```

The question I took to code is:

Write a Java program to calculate nPr.

Solution: The above snapshot is the code which I have uploaded in my Github repository