

**CLASS TEST: XII IP**  
**DATE : 03<sup>RD</sup> MAY 2020**

**TOTAL MARKS 15 .**

**TIME DURATION: 40 MINUTES**

**INSTRUCTIONS:**

1. Programming language : Python
2. Read question carefully & Attempt all Questions

**1. Write a code**

- i. to create data frame for 3 students including name and roll numbers 2
- ii. add new columns for storing marks in 5 subjects for each student 2
- iii. Add 1 column to calculate total using the marks given in 5 subjects 1

**2. Consider the following dataframe :**

STUDENT\_DF

Name	class	marks
Tanmay	XI A	95
Krish	XI B	87
Aditi	XI B	82
Mehak	XI A	65
Anjali	XI A	77
Kriti	XI A	45
Niti	XI B	90

- i. Write a statement to get the minimum value of the column marks. 1
- ii. Write a statement to get the maximum value of the column marks 1

**3. Following table shows runs made by 4 different players in 5 different matches**

DF name : MatchScore

Player1	Player2	Player3	Player4
45	67	10	50
77	87	05	90
45	77	49	50
90	100	50	100

- i. Write Code to create Data Frame **MatchScore** as mentioned above 2
- ii. Write statement to calculate average runs made by each player.  
(hint : use statistical function) 1
- iii. Write statement to Mode of runs made by player1. 1
- iv. Write statement to calculate Sum of runs made by each player. 1
- v. Add new column to add name of Players 1
- vi. Make Player1,player2,player3 and player 4 as index of dataframe 2