



RAN-2511000902011004-A

F. Y. B.C.A. (Sem. - II) Examination October - 2025

204 -2 : Programming Skills using Python (PR)

Time: 2 Hours]

[Total Marks: 25

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.

Seat No.:

--	--	--	--	--	--

Student's Signature

Q. 1. [A] Using Python, perform the following tasks for **CUSTOMER** data management: [20]

- [1] Create a dictionary (or a set of sets) containing customer details with the following fields: **CUSTOMER_ID, NAME, EMAIL, CITY, TOTAL_SPENT, JOIN_DATE**. Add at least 10 customer records.
- [2] Convert the dictionary into a **pandas DataFrame**.
- [3] Save the DataFrame as a CSV file named **customer_data.csv**.
- [4] Load the CSV file and display:
 - a) Customers from the city "Mumbai"
 - b) Customers who have spent more than 10,000
 - c) Customers who joined after "2021-01-01"

[B] Viva

[05]