

**1911000103060001-C**  
**B.C.A (Sem-III) (PRACTICAL -306)**  
**Examination October-2023**  
**Practical-306-C**

**Seat No:**

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**[Time: Five Hours]**

**[Max. marks: 140 ]**

<b>Student's Signature</b>
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- Q.1** Write a python script to do following task. **40**
- Create Result Table (Rno, Student\_name, IC, CPPM, DMA, Maths, CS) And Insert 10 Records.
  - Add Column Total Marks, Percentage in Result Table and Calculate Total and Percentage.
  - Display Student Name whose name start with 'A' and Percentage is between 40 and 50.
  - Display IC and CPPM Subject mark in ascending order.
  - Export all table data to csv named student\_results.csv
  - Write a python script that read student\_results.csv file and Plot a bar chart that shows Roll no and Total marks with proper Legends, titles and labels.
- Q.2** Create a base class Shape, declare two data members dimension1 and dimension2 and declare calculate-area function as virtual function. Derive two class Triangle and Rectangle from Shape class that override calculate-area function **40**
- Q.3** Create an Online Hotel Booking Website which provide following modules. **40**
- Booking hotel Registration of Customer (Registration required fields like Email, Password, Birth Date, Gender, Language, City and Mobile Number.)
  - Login page
  - Booking Packages that displays different images of Hotels with Price Details and services page
- (NOTE: Use CSS/Bootstrap and Provide proper validation using JavaScript.)
- OR**
- Q.3** Build an app that allow users to change text style (bold, italic, underline) using a TextView and Checkbox.
- Q.4** Viva+ Journal **20**