

# EXAMINATION QUESTION PAPER

PG-DAC FEB 2020

Module Name : Core JAVA

DATE: 28 /12 / 2020

Duration: 2 hrs.

Max. Marks: 40

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## Instructions:

- A) All Questions are compulsory.
  - B) **Put all your script file and screenshots in the project folder.**
  - C) **Delete bin folder and then create zip of your project.**
  - D) Zip File should be renamed with FULL PRN No. of the candidate. (For example 200240120001.zip)
  - E) **Kindly ensure before creating a zip file, make sure all the required files should be closed to avoid any corruption of the zip file.**
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**Q1. Write a menu driven java application MyBuddies to manage all your Buddies (close friends) as shown below :**

\*\*\*\*\* Welcome to MyBuddies \*\*\*\*\*

1. Add New Buddy
2. Search Buddy by Email Id
3. Delete Buddy by Email Id
4. Display all my buddies
5. Display all buddies of given date of birth
6. Exit

By choosing an option, one operation should be performed. Same menu should be displayed again after every operation until user choose to exit.

Your Buddy class should capture Email Id, Name, Phone Number, Date of Birth and City.

Every buddy must have unique Email Id.

A Buddy will have one phone number only.

All details should be persisted to database table using JDBC.

**Distribution of marks will be as follows:**

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|---|---------|
| 1. Creation of table in database (Attach the database script & screenshot of created table) | 2 Marks |
| 2. Creation of java classes for Buddy, Main etc.  | 4 Marks |
| 3. Java code for database connectivity.   | 4 Marks |
| 4. Fully functional code for – Add new Buddy  | 4 Marks |
| 5. Fully functional code for – Search Buddy by Email  | 4 Marks |
| 6. Fully functional code for – Delete Buddy by Email  | 4 Marks |
| 7. Fully functional code for – Display all my buddies                                       | 4 Marks |
| 8. Fully functional code for – Display all buddies of given data of birth                   | 6 Marks |
| 9. Validations & Exception handling   | 6 Marks |
| 10. Proper Java naming conventions  | 2 Marks |

\*\*\*\*\* ALL THE BEST!!!! \*\*\*\*\*