



## JP2 - Java Programming-II - Exam Paper

*Duration: 60 minutes / Mark: 25*

You are required to use ArrayList class to write a program named AddressBooks. The program allows you to enter contact information about a person including his or her name and phone number.

Address Book is a menu-based program with options as following:

- 1. Add new contact
  - 2. Find a contact by name
  - 3. Display contacts
  - 4. Exit
- ✓ Implement option 1 to add contact into a ArrayList object. It should ask first to enter person's information details including 'Name', 'Company', 'Email' and 'Phone'. You must write a dedicated class named **Contact** to keep track the contact.
  - ✓ Implement option 2 to find a telephone number of a person by name and display it. A message "Not found" should be displayed in the case the telephone number is not found.
  - ✓ Implement option 3 to display all the contacts in the address book as Figure 1.
  - ✓ Exit option should terminate the application.

Address Book			
Contact Name	Company	Email	Phone number
TrungDH	FU	<u>trung@yahoo.com</u>	0904818238
TuanNM	FSoft	<u>tuan@fpt.com.vn</u>	0904949494

**Figure 1. The Address Book**

Marking:	
1.0	Creating Contact class(constructors, set/get methods)
5.0	Implementing Add telephone number function
7.0	Implementing Display function
7.0	Implementing find telephone number function
5.0	Main method(creating objects, create menu, calling add, display, save methods)
25	Total Marks