

# **University of Sargodha**

**BS 8<sup>th</sup> Term Exam 2017**

**Subject: Computer Science**

**Paper: Mobile Application Development (CS-4547)**

**Time Allowed: 2:30 Hours**

**Maximum Marks: 80**

## **Objective Part**

## **Compulsory**

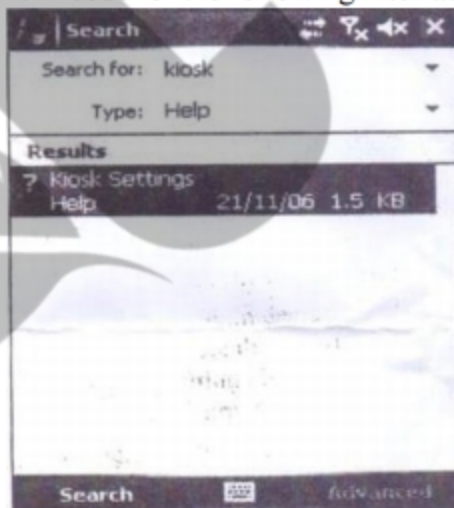
**Q1. Attempt all parts and each require answer 2 – 3 lines**

**(16\*2=32)**

- i. What is the purpose of Tab Control?
- ii. Write the code to display the busy cursor.
- iii. What do you mean by docking and anchoring properties?
- iv. Which symbolic name is used to provide an enumeration for all the error codes?
- v. Discuss the major problem of typed SqlCeResultSet that has been generated by the tools?
- vi. Specify the usage of BindingSource control?
- vii. Write the piece of code for canceling updates.
- viii. State the alternative to persisting data without a database?
- ix. Suggest the meaning of signing your code?
- x. Briefly address the Web Services?
- xi. Pen down the four different stages of message processing of the SoapMessage.
- xii. Enlist the involved database in all sorts of SQL Server replication.
- xiii. Which namespace contains the Socket class?
- xiv. Jot down the two lines of code required to make a voice call.
- xv. State the phenomenon of multithreading?

## **Subjective Part (3\*16)**

- Q2.** Prescribe the complete solution of creating foreign key constraints in code?
- Q3.** State the procedure of creating a project data source that makes a complex query?
- Q4.** Explain the phenomenon of serializing and deserializing object with the help of example?
- Q5.** Write the complete working html code for the following interface.



- Q6.** Illustrate the threats and solutions of storing credentials and other securely?
- Q7.** Indicate and demonstrate the synchronizing thread activities and access to data in detail.