University of Sargodha
BS 8th 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 Android and iOS? For what purpose these are used?
ii.   Define mobile applications and how is it different from desktop application?
iii.   Define the purpose of Buffer Reader in Android?
iv.   Define the purpose of Buffer Writer in Android?
v.   What is an anonymous class?
vi.   Which company developed Android?
vii.   What is iOS and which company has developed it?
viii.   What are web services?
ix.   What is the difference between Android, iOS and Symbian mobile operating system?
x.   On which version of Android, you developed application?
xi.   Android is based on which kernel?
xii.   What is JSON exception in android?
xiii.   How to stop the services in android?
xiv.   What is library of Map View in android?
xv.   What is concurrent programming?
xvi.   What is google play?

Subjective Part (3*16)

Q2.   Discuss the architecture of mobile software applications.
Q3.   Discuss memory management and design patterns for limited memory and strategies for allocating variable to memory.
Q4.   Discuss components of mobile application and workflow for its application development.
Q5.   Write the code to take input from user along with validation that user can enter only number not a text, calculate its power and display in another un-editable text-field.
Q6.   Create and admission form with serial number, student name, class (checkbox), gender (radio button), username, email, password, phone number and address (text area) as labels and text fields, add three buttons Submit, Clear and Save, alert "Fill the fields carefully" in case of empty fields otherwise save the values into database.