MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY CIT 2253 MOBILE APP DEVELOPMENT MAIN EXAM

Mobile app development - Examination Answer question one and any two

Question 1 (30 marks)

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1.	Provide the definition of the following terms	
	I. Activity	(2 marks)
	II. Service	(2 marks)
	III. Broadcast receiver	(2 marks)
	IV. Content provider	(2 marks)
2.	•	(2 marks)
3.		(2 marks)
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4.		(2 marks)
	Enumerate the four android application components.	(2 marks)
6.	What do you understand by the following terms?	
	I. Layouts	(2 marks)
	II. Fragment	(2 marks)
	III. Views	(2 marks)
7.	With the knowledge acquired in class, provide a brief explanation of the strings.	xml file
	with and example	(4 marks)
8.	Using knowlegde learnt in android programming solve. A school has following	rules for
	grading system:	
	a. Below 25 - F	
	b. 25 to 45 - E	
	c. 45 to 50 - D	
	d. 50 to 60 - C	
	e. 60 to 80 - B	
	f. Above 80 - A	(4 1)
	Ask user to enter marks and print the corresponding grade	(4 marks)
Quest	tion 2 (20 montes)	
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1.	Provide a well labelled diagram of a service lifecycle	(6 marks)
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- 4. State any two characteristics of a fragment
- 5. Write the android hello world program

(4 marks) (3 marks)

Question 4 (20 marks)

1. write the xml code to produce a login page with the follow elements.(10 marks)

textfield-name textfield-password submit button cancel button.

2. write java codes to show how the following classes are inherited from their main class in android programming.

I.	services	(2 marks)
II.	activity	(2 marks)
III.	broadcast receiver	(2 marks)
IV.	content providers	(2 marks)
V.	fragments	(2 marks)