Seat N	No.: Enrolment N	lo
	GUJARAT TECHNOLOGICAL UNIVERSITY	
	ME – SEMESTER III (NEW) – • EXAMINATION – SUMMER 201	16
Subi	ect Code: 2735301 Date: 03/05	5/2016
•	ect Name: Advanced Programming on Mobile Devices-II	
Time	e:10:30 am to 01:00 pm	ks: 70
Instru	ctions:	
	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1		
a.	Which are application frameworks used in Android? Explain at least 3 of them.	[7]
b.	What is buttons and explain different types of Buttons in Android?	[7]
Q.2		
a.	Why do you use TelephonyManager and SMSManager?	[7]
b.	Which are the common Linux libraries used in Android?	[7]
L	OR	[7]
D.	Explain in detail about app structure in Android.	[7]
Q.3		
a.	What do you mean by sp and dp? Explain sp and dp in Android.	[7]
b.	Explain in detail about all layouts in Android. OR	[7]
Q.3	OK	
a.	What is Manifest? Explain in detail about Manifest with permissions, sdk, versio	n,
	application, activity and all other tags used.	[7]
b.	Explain in detail about Sensor Manager with accelerometer example.	[7]
Q.4		
a.	What is Alert dialog? Discuss all steps related to it.	[7]
b.	Explain multiline input in Android. Show with an example, the way to convert	
	single line input to multiline.	[7]
Q.4	OR	
a.	Discuss Architecture of Android. Explain all the layers in detail.	[7]
b.	What is Life Cycle of Service? Explain all the methods in detail.	[7]
Q.5		
Q.J a.	What do you mean by Life cycle of Activity? Explain all the methods in detail.	[7]

OR

[7]

[7]

[7]

b. Why Intent is used for? Explain with any one example.

b. What are Sensors? Explain the use of different type of sensors.

a. Explain about Android SDK.

Q.5