

University of Mumbai

Program: **Department of Information Technology**

Curriculum Scheme: Rev 2016

Examination: BE Semester: VII

Course Code: ITDLO7032 and Course Name: Mobile Application Development

Time: 2 hour 30 minutes

Max. Marks: 80

Q1. Choose the correct option for following questions. All the Questions are compulsory and carry equal marks

Question Number	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	A
Q2.	C
Q3.	B
Q4	A
Q5	C

Q6	C
Q7	B
Q8.	A
Q9.	D
Q10.	C

Q2. Whichever option (1/2/3) you select for subjective/descriptive questions (total-20 Marks)

Model Answer: (with marks distribution)

Q2.	Solve any Four out of Six	5 marks each
A	<i>Discuss Android Architecture with all the layers. Explanation of each layer with examples....05M</i>	
B	<i>What is content Provider in Android? Explain in detail. Definition....01M; Explanation and Advantages....04M;</i>	
C	<i>Explain how to get the current location of the user in Android App. Method Explanation....05M;</i>	
D	<i>What is the role of Activity in Android? Discuss the life cycle of Activity. Definition....01M; Explanation....02M; life cycle....03M.</i>	
E	<i>What is Intent in Android? Differentiate between implicit and explicit intent. Definition....01M; Minimum 05 points....04M;</i>	
F	<i>What are the steps required to publish a mobile application? All steps in detail....05M;</i>	

Q3. Whichever option (1/2/3) you select for subjective/descriptive questions (total-20 Marks)

Model Answer: (with marks distribution)

Q3.	Solve any Two Questions out of Three	10 marks each
A	<i>Explain the Camera API in Android with suitable examples. Method Explanation....04M; Code....06M;</i>	
B	<i>List various data storage options. What is SQLite database? Write in brief and explain the code to create a database of your choice in SQLite. (Write Java code related to creating database only) StorageOptions....02M; SQLiteDefinition....01M; Code....07M;</i>	
C	<i>How view and viewgroup are used for developing android applications? Definitions....02M; Method Explanation....08M;</i>	

Q4. Whichever option (1/2/3) you select for subjective/descriptive questions (total-20 Marks)

Model Answer: (with marks distribution)

Q4.	<i>Please delete the instruction shown in front of every sub question</i>	
A	Solve any Two	5 marks each
i.	<i>Explain security issues in Mobile Application Development. Minimum5SecurityIssues....05M;</i>	
ii.	<i>Write short note on Location Based Services. DetailedExplanation....05M;</i>	
iii.	<i>Write short note on Android Download Manager. DetailedExplanation....05M;</i>	
B	Solve any One	10 marks each
i.	<i>Explain various android features. Why android is popular mobile OS discuss with reason. Featuresindetail....05M; Advantages....05M;</i>	
ii.	<i>Explain various layouts in Android. Demonstrate any layout with suitable example. LayoutsTypes....04M; Code....06M;</i>	