

Seat No. : _____

SK-121

September-2020

B.Sc., Sem.-VI

**CC-309 : Computer Science
(Basic Android Programming)**

Time : 2 Hours]

[Max. Marks : 50

- Instructions :**
- (i) All questions in Section-I carry equal marks.
 - (ii) Attempt any **three** questions in Section-I.
 - (iii) Question-9 in Section-II is compulsory.

Section – I

1. Write the following :
 - (A) Explain SDK, AVD and DVM 7
 - (B) Explain android life cycle/Activity life cycle. 7

2. Write the following :
 - (A) What is Intent ? Describe in detail and also explain the use of scrollview and listview. 7
 - (B) Explain user input controls : Button and Checkbox 7

3. Write the following :
 - (A) What is content provider ? Implement Content provider. 7
 - (B) What SQLite database ? Explain in brief using query (Insert, Select) 7

4. Write the following :
 - (A) Explain android manifest file with intent filter and permissions. 7
 - (B) What is Layout ? Explain all layouts in detail. 7

5. Write the following :
 - (A) Explain android architecture in detail. 7
 - (B) What is android ? Explain all features of android with its advantage and disadvantage. 7

6. Write the following :
 - (A) Explain all controls of android in detail. 7
 - (B) Explain anatomy of android application. 7

7. Write the following :
 - (A) What is API ? Explain android telephony API. 7
 - (B) Explain all activity in android. 7

8. Write the following :
 - (A) Explain the history of mobile software development. 7
 - (B) Write the steps to build a sample android application. 7

SECTION – II

9. MCQs : (Any **Four**) 8
 - (1) Android is developed by

(a) Apple	(b) Microsoft
(c) Google	(d) Android Inc
 - (2) Which media format is not supported by android ?

(a) MP4	(b) AVI
(c) MIDI	(d) MPEG
 - (3) Android is based on linux for the following reason.

(a) Security	(b) Portability
(c) Networking	(d) All of these
 - (4) What was the first phone released that ran the android OS ?

(a) Google gPhone	(b) T-Mobile Gl
(c) Motorola Droid	(d) HTC Hero

- (5) A _____ makes a specific set of the application data available to other applications.
- (a) Content Provider (b) Broadcast Receivers
(c) Intent (d) None of these
- (6) Which among these are not a part of Android's native libraries ?
- (a) WebKit (b) Dalvik
(c) OpenGL (d) SQLite
- (7) A type of service provided by android that shows messages and alerts to user is
- (a) content providers (b) view system
(c) Notification manager (d) Activity manager
- (8) When did google purchase Android ?
- (a) 2007 (b) 2005
(c) 2008 (d) 2010
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