

**SRM UNIVERSITY  
DEPARTMENT OF INFORMATION TECHNOLOGY  
Model Exam  
15IT324E – MOBILE APPLICATION DEVELOPMENT**

**Register No**

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**Answer ALL the Questions (1 x 20 = 20 Marks)**

1. The \_\_\_\_\_ method used to ensure that all the bytes are written to the file.  
(A) write() (B) flush() (C) push() (D) set()
  
2. \_\_\_\_\_ constant used for appending to an existing file.  
(A) MODE\_APPEND (B) MODE\_WRITE (C) MODE\_READWRITE (D) MODE\_ADD
  
3. \_\_\_\_\_ constant indicates that all other applications have write access to the file  
(A) MODE\_WORLD\_WRITEABLE (B) MODE\_WRITE (C) PERMISSION\_WRITABLE  
(D) PERMISSION\_WRITE
  
4. \_\_\_\_\_ object saves the data in name/value pairs permanently .  
a) Shared Preference b) SQLite c) Bundle d) Fragment
  
5. The Method contains the code in Async Task that updates the task status during the background processing execution.  
a) DoInBackground() b) OnPreExecute() c) OnPostExecute() d) OnProgress ()
  
6. When contentProvider would be activated?  
a) Using Intent  
b) Using SQLite  
c) Using ContentResolver  
d) Using Filemanager

## SET D

7. Minimum screen shots needed to be uploaded while publishing an App in play store

- (A) 4
- (B) 3
- (C) 2
- (D) not specified

8. Which Animation scheme users XML resources of animation

- (A) View animation
- (B) Property animation
- (C) Drawable animation
- (D) Flash animation

9 Where will you get Google Maps API key

- (A) Registering in Google play store
- (B) Registering in googke developers console
- (C) Signing app with keystore
- (D) In Google Maps library

10. Which handler receives the phone number associated with incoming calls, and the state parameter represents the current call state.

- (A) onCallholdChanged
- (B) onCallstatechanged
- (C) onCallstatelistener
- (D) Listener class

11 . When should we use services in android

- (A) When we need high performance code in your app
- (B) when we want app size to be reduced in your app
- (C) when we want long running task to be run in your app
- (D) improve security in your app

12. The Service in which server is bound when another component (e.g. client) which method signature is correct

- (A) bindingService()
- (B) boundService()
- (C) bindService()
- (D) bindedService()

9. The system calls this method when new clients have connected to the service, after it had previously been notified that all had disconnected in its *onUnbind(Intent)*.

- a) *onRebind()*
- b) *onCreate()*
- c) *bindService()*
- d) *onDestroy()*

10. To upgrade the database, change the \_\_\_\_\_ constant to a value higher than the previous one

- a) Database version
- b) SQLite version
- c) App version
- d) Device version

11. The standard prefix of query string URI for content providers is \_\_\_\_\_

- a) *content://*
- b) *http://*
- c) *sqlite://*
- d) *file://*

12. ----- provides the functionality of an asynchronous message queue

- a) *Messenger()*
- b) Explicit intent
- c) Implicit intent
- d) handler

13. \_\_\_\_\_ is not a Android built-in content provider.

- (A) Browser call log
- (B) Contacts
- (C) Media Store
- (D) Weather information

14. Which permission to your manifest file which allows you to listen to state changes in your receiver

- a) *android.permission.READ\_PHONE\_STATE*
- b) *android.permission.WRITE\_PHONE\_STATE*
- c) *android.permission.ENABLE\_PHONE\_STATE*
- d) *android.permission.DISABLE\_PHONE\_STATE*

15. Interpolators define.....

- (A) Rate of change of an animation
- (B) Property of animation
- (C) Sequence of animation
- (D) Selection of animation

## SET D

16. Where will you get Google Maps API key
- (A) Registering in Google play store
  - (B) Registering in google developers console
  - (C) Signing app with keystore
  - (D) In Google Maps library
17. The name of the interface file used for remote services to enable its access by other application
- a) ADIL b) AILD c) AIDL d) AISL
18. What is geo-coding?
- a) Geocoding is the act of converting an address into its coordinates (latitude and longitude).
  - b) Geocoding converts a pair of location coordinates into an address.
  - c) Geocoding means geographical coding.
  - d) None of the above.
19. Which component is not activated by an Intent?
- a) Activity
  - b) Services
  - c) ContentProvider
  - d) BroadcastReceiver
20. Difference between android api and google api?
- a) The google API includes Google Maps and other Google-specific libraries. The Android contains only includes core android libraries.
  - b) The google API one only includes core android libraries. The Android includes Google Maps and other Google-specific libraries.
  - c) The google API one only includes google search library. The Android includes local search libraries.
  - d) The google API are support library for google play store publishing. The Android libraries not have.

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DATE: 25.10.17  
MAX MARKS-100

YEAR: III  
SEM: V SEM

Register No

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**Part B – Answer any questions**

**5 X 4 = 20**

21. Write about file storage in SD card with code snippets.
22. What is the purpose of content provider in Android? Give an example.
23. List out the options used when service restarts. Explain
24. Write a code snippet to find whether the Phone is in Roaming, returns true if in roaming
25. What are the three generic types used in an android AsyncTask class
26. Write notes on Sensor programming in Android
27. Provide steps to upload an app in to Google play store

**Part C – Answer all questions**

**5 X 12 = 60**

28 a Explain about SQLite database by demonstrating with code snippets for SQLite open helper class demonstrating creation of database.

(OR)

28 b Develop an Android application to create a content provider to store a list of books. The content provider stores the employee details in a database table containing three fields: \_id, employee name, Position held in company.

29 a Develop an Android application for inventory management with the following operations: from an Activity through SQLite db items are available in List view and entries are from Text field.

i) Add new items ii) Update an item. iii) Retrieve item details iv) Delete an item

(OR)

29 b Develop an Android application to read student name, register number, and address from the user and store it in a SQLite database. Use SQLite open helper class to implement the database handling.

30 a. Write notes to demonstrate: i) Async Task (ii) Pending Intent with necessary code snippets

(OR)

30 b. Explain in detail about how communication take place between Activity and Service by suitable example code.

31 a Write a sample program to demonstrate how to send SMS in android.

(Or)

31 b Explain how to use a Broadcast Receiver registered in an Activity in order to register for events in an activity.

32 a. Write down the steps involved in publishing android app in play store. Provide guide lines for developing app to be published to app store.

(OR)

32 b Explain the steps to develop Google Maps app and provide code snippets for showing current location, and also provide the entries in manifest file