

Sl. No. 100001

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**GN-536**

V Semester B.Voc. (IT) Examination, December - 2019  
(CBCS) (Fresh+Repeaters) (2018-19 and Onwards)  
**INFORMATION TECHNOLOGY**

**505 : Application Development with Android**

Time : 3 Hours

Max. Marks : 70

**Instruction :** Answer **all** the Sections.

**SECTION - A**

I. Answer **any ten** of the following questions : **10x2=20**

1. What are Midlets ?
2. List any two features of Android SDK.
3. What is an API level ?
4. List any two Android Libraries.
5. What do you mean by application priority ?
6. Define Activity.
7. How are notifications created in Android ?
8. What is the use of Set Content View method ?
9. What is drawable folder in Android ?
10. Define Fragment Manager.
11. What is the use of Content Resolver in Android ?
12. Why is SQLite used in Android ?

**P.T.O.**

**SECTION - B**

- II.** Answer **any five** of the following questions : **5x10=50**
- 13.** (a) With a neat diagram explain Android application architecture. **5+5**  
(b) What does an Android APK file contain ? Explain any two components.
- 14.** (a) Briefly explain Android 'manifest.xml' file. **6+4**  
(b) Explain any two types of Android applications.
- 15.** (a) Explain Android application life cycle. **5+5**  
(b) How to create sub-activities in a Android ?
- 16.** (a) How many permissions an Android application has by default ? Explain. **5+5**  
(b) Explain broadcast intent in detail.
- 17.** (a) Explain any five layouts used in Android. **5+5**  
(b) Describe different image dimensions that can be stored in drawable directory.
- 18.** (a) Define fragment. Explain types of fragment. **5+5**  
(b) Write a note on widget tool box.
- 19.** (a) Write a snippet to transfer the data from one activity to another with possible validations. **6+4**  
(b) Write a note on Content Provider.
- 20.** (a) How to send a message using SMS Manager ? **5+5**  
(b) How can call state be changed in Android ?