

Vidya Vikas Mandal's  
Shree Damodar College of Commerce & Economics, Margao-Goa  
TY BCA Semester-V Semester End Examination January 2022  
Mobile Application Development (CAD103)

Duration: 2 Hours

Max Marks: 60

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**Instructions:** i) All questions are compulsory.  
ii) Figures to the right indicate full marks.  
iii) Draw neat diagram wherever necessary

**Q 1 A) Select the Only One option from the following and rewrite the statement (1x5)**

- a) Android Is Based On Which Kernal  
i) Linux ii) Windows iii) Mac iv) Redhat
- b) What is the use of content provider in Android?  
i) For storing the data in the database  
ii) For sharing the data between applications  
iii) For sending the data from an application to another application  
iv) None of the above
- c) All layout classes are the subclasses of  
i) android.view.View ii) android.view.ViewGroup  
iii) android.Widget iv) of the above
- d) To create an Emulator you need a AVD, What does it stands for?  
i) Android Virtual Display ii) Android virtual device iii) Active Virtual device  
iv) Application Virtual Device
- e) What runs in the background and doesn't have any UI component  
i) Intents ii) Content Providers iii) Services iv) application

**Q 1. B) State whether the statements are true or false (1x5)**

- i) Android is build upon J2ME version of Java  
ii) Android sdk shipped with emulator  
iii) there can be only one activity running at given time  
iv) Application context is not dependent on the activity life cycle  
v) Services has a user interface components

**Q2. Answer the following**

- A) Why XML is used for frontend development in Android? (2)  
B) Explain the component of android (3)  
C) Explain Fragment life cycle with diagram. (5)

**Q3. Answer the following**

- A) What Is the Gradle Build System? (2)  
B) Write steps to Publishing and delivery of Mobile apps (3)  
C) Explain different storages available in android? (5)

**Q4) Answer the following**

- A) What are broadcast receivers? How is it implemented? (2)
- B) Explain in detail about the important file and folders used when you create a new Android application. (3)
- C) Explain the Intents with code snippets. (5)

**Q5) Answer the following**

- A) What is the use of Bundle in Android? (2)
- B) List the reasons for map not being showed after loading the application. (3)
- C) Explain what happens to an activity's state when the device changes orientation. (5)

**Q6) Answer the following**

- A) What is an Adapter in Android? (2)
- B) How to display Web content using the WebView? (3)
- C) Explain android architecture. (5)