Q1. The Android system is also allowed to recycle Android components to free up resources. The user should not notice if an activity which is still part of an activity stack has been terminate or not. For this the developer needs to store the state of the activity at the right point in time and restore it. He also should stop any unnecessary actions if the activity is not visible anymore to save system resources. From this points explain the activity lifecycle and write the important activity lifecycle methods.

**Q2.** How do you add a Button to the screen using the visual tool?

Q3. In an activity, what method associates a resource for a Button to a variable of type

Button ?

**Q4. What is the importance of the activity lifecycle?**

Q5. **Q. What is the relationship between activities and intents?**

Q6. What is the difference between a bundle and extra data?

Q7.

1- Which graphics formats are supported and encouraged on Android?

**A.** Joint Photographic Experts Group (JPG)

**B.** Portable Network Graphics (PNG)

**C.** Graphics Interchange Format (GIF)

**D.** Nine-Patch Stretchable Images (.9.PNG)

2- What color formats are supported for color resources?

**A.** 12-bit color

**B.** 24-bit color

**C.** 64-bit color

Q8.

1. True or False: You can include files of any format as a resource.
2. True or False: Resource filenames can be uppercase.
3. True or False: You can provide alternative resources for a specific version of the Android

SDK, such as Honeycomb (Android 3.0).

Q9. What is the purpose of the support library?

Q10. With layouts, what is meant by orientation?

Q11. What is the difference between setting a layout margin and layout padding?

Q12. How would you position a Button 100 pixels from the top of the device screen?

Use density-independent pixels.

Q13. What does a hint do in an EditView ?

Q14. What does getMenuInflater().inflate() do?

Q15. What two techniques are used to display fragments?

Q16. What method is used to add items to the ActionBar from a fragment?

Q17. Write a code to start activity B from activity A?