a)What is menu,? Write its importance.

Menus are the additional options that are displayed by clicking menu button of mobile. It display those options that are not directly visible on the main UI of an application. Menus are a common user interface component in many types of applications.

Beginning with Android 3.0 (API level 11), Android-powered devices are no longer required to provide a dedicated Menu button. With this change, Android apps should migrate away from a dependence on the traditional 6-item menu panel and instead provide an app bar to present common user actions.

Importance

1. It is used to save UI space of an Activity.
2. It provides a familiar and consistent user experience.

b)What is options menu? when is it activated?

The options menu is the primary collection of menu items for an activity. It's where you should place actions that have a global impact on the app, such as "Search," "Compose email," and "Settings."

For Android 2.3 or lower, users can reveal the options menu panel by pressing the Menu button. On Android 3.0 and higher, items from the options menu are presented by the action bar as a combination of on-screen action items and overflow options.

It is activated by clicking MENU key.

c)What is context menu? when is it activated?

A context menu is a floating menu that appears when the user performs a long-click (taps and hold) on an element, view or control. It provides actions that affect the selected content or context frame.

Different view can have different context menu or same. The contextual action mode displays action items that affect the selected content in a bar at the top of the screen and allows the user to select multiple items.

Activated by Tap and Hold on particular item (Same as right click in computer on-screen).

d) What is the alternative of ActionBarActivity as its deprecated?

AppCompactActivity.