

7. Write a statement for logging a message from application code so that it appears in Logcat.
8. What are the possible time duration values for which a toast is displayed?
9. Which events are invoked when a menu is created and when a menu item is clicked?

Q-3

- A. Draw a figure showing the Android activity lifecycle. Describe each event in the lifecycle in short. [6]
- B. List the types of resources in Android. What are the advantages of using resources? [6]

OR

- B. Why do we need to save and restore state in Android activities? Write the techniques used for saving and restoring activity state. Also write when Android does it automatically for us. [6]

Q-4

- A. Write a short note on the Activity class and its use in Android. [6]
- B. Explain database access in Android. [6]

OR

- B. Explain content providers and broadcast receivers in Android. [6]

Q-5

- A. Why should we make network request from a separate thread? Describe the class commonly used for making such a background request. [6]
- B. Write a short note on geolocation, positioning and location aware apps in Android. [6]

OR

- B. Explain in detail how we can show a list of items on the screen using ListView and other classes. [6]

Q-6

- A. Write a short notes on intents in Android. [6]
- B. Explain how can we generate a notification, send an SMS and check for availability of network connectivity. [6]

OR

- B. Explain event handling and the use of the UI thread in Android. List the common events handled by Android apps. [6]

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