

TILAK MAHARASHTRA VIDYAPEETH, PUNE
BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)(044)/
SPECIALIZATION IN CYBER SECURITY (CS)(464)

EXAMINATION : MAY - 2026

SEMESTER - VI

Sub: Current Trends in IT/ Android Application Development /
Mobile Application Development (Android)
(BCA-642-20/BCA23-602/BCA-CS-642-20/BCAC23-602)

Date : 28/05/2026

Total Marks :60

Time: 10.00 am to 12.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagrams wherever necessary.

Q.1. Fill in the blanks.

(5)

1. Manifest file is written in ____
a) html
b)XML
c) c
d) c++
2. First method in activity life cycle is ____
a) OnStart()
b) OnRestart()
c) OnStarted()
d) OnBegin()
3. ____ is the topmost layer of android architecture.
a) Application framework
b)Linux Kernel
c) Application
d) Android Runtime
4. _____ virtual machine is used by the Android operating system
a) JVM
b) Dalvik
c) app virtual machine
d)simple virtual machine
5. The _____ menu is the primary collection of menu items for an activity.
a) context
b) pop
c) File
d) options

Q.2. State True/False.

(5)

1. Mipmap is basically used for keeping all the activities that you would be using in your application.
2. An intent is a bridge between UI component and data source that helps us to fill data in UI component.
3. . apa file is created when android application is build.
4. Andoid is backed by Microsoft.
5. Android is based on Linux.

Q.3. Answer the following. (Solve any 5) (10)

1. What is DVM?
2. What is a WebKit?
3. What is the use of rawquery() and getwritabledatabase()?
4. What is dex file?
5. State types of service in android?
6. What is the significance of manifest file?

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. List components of android.
2. Explain Linear & table layout.
3. What is array adopter? Write down the syntax to create array adopter.
4. Define intent in Android. Explain its 2 types.
5. Write down any 5 features of android.
6. What is View & view Group? List any 4 views.
7. State & explain when the methods are called in lifecycle of the activity.(any 5)

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Explain android architecture in detail with diagram.
 2. Write down the program to create Context and option menu.
-