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BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)
SPECIALIZATION IN CYBER SECURITY (CS)

EXAMINATION : JUNE - 2025

SEMESTER - VI

Sub: Android / Current Trends in IT (CTIT)(BCA-642-18/BCA-642-20 /
Mobile Application Development (BCA-CS-642-20)

Date : 04/06/2025

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.
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Q.1. Fill in the blanks.

(5)

1. Webkit is ____
 - a) O.S.
 - b) database
 - c) browser
 - d) Compiler
2. The android architecture consists of ____
 - a) MaC
 - b) Microsoft
 - c).net
 - d) Linux Kernel
3. To emulate a real device, create an ____
 - a) ADV
 - b) DAV
 - c) AVD
 - d) AVB
4. Context menu is also called as ____
 - a) Pop Up menu
 - b) floating menu
 - c) main menu
 - d) option menu
5. OHA stands for ____
 - a) Open Handset Alliance
 - b) Over Handset Alliance
 - c) Open Handset Alliances
 - d) Open Handset All

Q.2. State True/False.

(5)

1. Android is register based.
2. .dex tool convert program into bytecode.
3. We can use Java & Kotlin language in android.
4. Android is developed by Samsung.
5. Option menu is used for search, settings etc.

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

(10)

1. Write down structure of menu.xml file.
2. What is R file in android?
3. How to declare array adapter?
4. What is DVM?
5. What do you mean by `getApplicationContext()`?
6. Write down the syntax of toast.

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

(30)

1. What is intent? Explain its type.
2. Explain folder structure of android studio.
3. Write a program to display selected element from list view using toast.
4. With a neat diagram explain methods of activity life cycle.
5. What are the five layouts in android?
6. Describe components of android.
7. What is view & View Group?

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

(10)

1. Explain layers of android architecture with a neat diagram.
 2. Write down android code to save the record using SQLite.
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