TILAK MAHARASHTRA VIDYAPEETH, PUNE
MASTER OF COMPUTER APPLICATIONS
EXAMINATION : MAY - 2024
SEMESTER - III
Sub : Mobile Applications Development (MCA- 304-22)

Date :30/05/2024	Total Marks : 60	Time: 2.00 pm To 4.30 pm

Instruction:
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 diagram wherever necessary.*

Q. 1. **Answer the following in 2 - 3 lines. (Any 5)** **(10)**

1. When android: layout _weight is used?
2. On which kernel is Android based on?
3. Who manages data sharing between applications?
4. When to use match _parent & wrap _content?
5. What is a WebKit?
6. What is DVM?
7. What is service in android?

Q. 2. **Answer the following in short. (Any 4)** **(20)**

1. Explain Linear & table layout.
2. What is View & view Group? List any 4 views.
3. How can we pass the data from one activity to another? Explain with example.
4. List down the methods gets called when you open a mobile app and close it.
5. What is array adapter? Write down the syntax to create array adapter.
6. Write down any 5 features of android.

Q. 3. **Answer the following in detail. (Any 3)** **(30)**

1. Explain in detail components of android.
2. Write down the program to save record in the database using android.
3. What is fragment? Explain fragment life cycle.
4. Write down the program to list all sensors of user's phone.
5. Write a note on Menus in android.