



Department of Master of Computer Applications (MCA)

Mobile Application Development (MCA221IA)

Hand Notes

Unit - unit 1	Topic: What Intents are for, Implicit Intents
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02 Marks Questions:

Q1. What is an Intent in Android?

Answer: An **Intent** in Android is a messaging object used to request an action from another component of the application, such as starting an activity, launching a service, or delivering a broadcast.

Q2. What are the types of Intents in Android?

Answer: There are two types of Intents:

- **Explicit Intent** – Specifies the target component by name.
- **Implicit Intent** – Declares a general action to be performed, allowing the system to find a suitable component.

Q3. How do you pass data between activities using Intent?

Answer:

Sending:

```
Intent intent = new Intent(this, SecondActivity.class);
```

```
intent.putExtra("name", "Ullas");
```

```
startActivity(intent);
```

```
Receiving:String name = getIntent().getStringExtra("name");
```

Q4. What is the difference between Explicit and Implicit Intents?

Answer:

Feature	Explicit Intent	Implicit Intent
Target	Specific component (class)	Action type (no specific component)
Usage	Internal communication in app	Start system or other app features
Example	StartActivity(SecondActivity)	Open camera, browser, etc.

Q5. List and explain Intent methods.

Answer:

- `putExtra(String key, value)` – Add data to intent
- `getStringExtra(String key)` – Retrieve string extra from intent
- `setData(Uri uri)` – Set data to be acted on
- `setAction(String action)` – Set general action to perform
- `startActivity(Intent)` – Launch an activity