# 25 Lecture - CS304

## **Important Mcqs**

## 1. What is overloading in object-oriented programming?

- a. Creating multiple functions with the same name but different parameters
- b. Redefining a function in a subclass that was originally defined in a superclass
- c. Both a and b

Answer: a

### What is overriding in object-oriented programming?

- a. Creating multiple functions with the same name but different parameters
- b. Redefining a function in a subclass that was originally defined in a superclass
- c. Both a and b

Answer: b

## Can overloaded functions have the same number of parameters?

a. Yes

b. No

Answer: Yes

## Can overloaded functions have the same name and parameters?

a. Yes

b. No

Answer: No

#### Can overridden functions have the same name and parameters?

a. Yes

b. No

**Answer: Yes** 

#### Is overloading static or dynamic polymorphism?

a. Static

b. Dynamic

**Answer: Static** 

### Is overriding static or dynamic polymorphism?

a. Static

b. Dynamic

**Answer: Dynamic** 

## Can overloading be done in the same class?

a. Yes

b. No

**Answer: Yes** 

#### Can overriding be done in the same class?

a. Yes

b. No

## Answer: No

## What happens if an overridden function is called on an object of the subclass?

- a. The function defined in the superclass is called
- b. The function defined in the subclass is called
- c. Both functions are called

Answer: b