

# 4 Lecture - CS401

## Important Mcqs

1. Which multiplication algorithm uses a grid-like structure to multiply two numbers?

- A. Traditional method
- B. Lattice multiplication
- C. Egyptian multiplication
- D. Russian peasant multiplication

Answer: B

Which multiplication algorithm is also known as the "double-and-add" method?

- A. Traditional method
- B. Egyptian multiplication
- C. Russian peasant multiplication
- D. None of the above

Answer: C

Which multiplication algorithm is based on repeated addition and subtraction?

- A. Traditional method
- B. Lattice multiplication
- C. Egyptian multiplication
- D. None of the above

Answer: A

Which multiplication algorithm is used in binary multiplication?

- A. Traditional method
- B. Lattice multiplication
- C. Egyptian multiplication
- D. Russian peasant multiplication

Answer: D

Which multiplication algorithm is used to multiply large numbers in cryptography?

- A. Traditional method
- B. Lattice multiplication
- C. Egyptian multiplication
- D. Karatsuba algorithm

Answer: D

Which multiplication algorithm is also known as the "Box Method"?

- A. Traditional method
- B. Lattice multiplication
- C. Egyptian multiplication
- D. Russian peasant multiplication

Answer: A

Which multiplication algorithm uses a series of doublings and halvings to perform

### **multiplication?**

- A. Traditional method
- B. Lattice multiplication
- C. Egyptian multiplication
- D. Russian peasant multiplication

**Answer: D**

### **Which multiplication algorithm is commonly used in digital signal processing?**

- A. Traditional method
- B. Lattice multiplication
- C. Karatsuba algorithm
- D. None of the above

**Answer: B**

### **Which multiplication algorithm is used to multiply complex numbers?**

- A. Traditional method
- B. Lattice multiplication
- C. Egyptian multiplication
- D. None of the above

**Answer: A**

### **Which multiplication algorithm is based on the distributive property of multiplication?**

- A. Traditional method
- B. Lattice multiplication
- C. Egyptian multiplication
- D. None of the above

**Answer: C**