1. What is meant by a link and node?

### 2. Define IP address.

### 3. What do you understand by DNS?

### 4. What is a peer-to-peer process?

### 5. Define network topology.

### 6. What is a firewall?

### 7. Tell us the maximum segment length of the 100Base-FX network.

### 8. What is the role of the network layer in the OSI reference model?

### 9. Explain OSI and its role in computer networks.

### 10. Give the disadvantage of the peer-peer network.

### 11. What is Artificial Intelligence?

### 12. What are some real-life applications of Artificial Intelligence?

### 13. What are different platforms for Artificial Intelligence (AI) development?

### 14. How are Artificial Intelligence and Machine Learning related?

### 15. Which assessment is used to test the intelligence of a machine? Explain it.

### 16. Explain Markov’s decision process.

### 17. Suppose you know a farmer. He tells you that despite working hard in the fields, his crop yield is deteriorating. How can AI help him?

### 18. “Customers who bought this also bought this”, you might have seen this when shopping on Amazon. How do you think this works?

### 19. Suppose you have to explain to a beginner how a face detection system works. How would you do that?

### 20. If you are starting a new business, how will you use AI to promote your business?