

# 30 Lecture - CS101

## Important Mcqs

1. **Which of the following is the primary use of microphones in computer science?**
- a) Video editing
  - b) Speech recognition
  - c) Graphic design
  - d) Coding

**Answer: b) Speech recognition**

2. **What is the name of the technology that allows users to interact with devices using spoken commands?**
- a) Voice recognition
  - b) Speech recognition
  - c) Voice control
  - d) Sound analysis

**Answer: c) Voice control**

3. **Which type of microphone is commonly used in music recording due to its ability to capture sound details?**
- a) Dynamic microphone
  - b) Condenser microphone
  - c) Ribbon microphone
  - d) Carbon microphone

**Answer: b) Condenser microphone**

4. **What is acoustic imaging?**
- a) A technique that captures and analyzes sound waves to gain insights into various phenomena
  - b) A technique that captures and analyzes light waves to gain insights into various phenomena
  - c) A technique that captures and analyzes radio waves to gain insights into various phenomena
  - d) A technique that captures and analyzes magnetic waves to gain insights into various phenomena

**Answer: a) A technique that captures and analyzes sound waves to gain insights into various phenomena**

5. **How does the microphone impact the overall sound quality of a recording in music production?**
- a) Microphones have no impact on sound quality
  - b) Microphones have a small impact on sound quality
  - c) Microphones have a significant impact on sound quality
  - d) Microphones have a negligible impact on sound quality

**Answer: c) Microphones have a significant impact on sound quality**

**6. What is the purpose of noise-canceling technology in microphones?**

- a) To add background noise to improve overall sound quality
- b) To filter out background noise to improve overall sound quality
- c) To amplify background noise to improve overall sound quality
- d) To distort background noise to improve overall sound quality

**Answer: b) To filter out background noise to improve overall sound quality**

**7. What is the role of microphones in teleconferencing and video conferencing applications?**

- a) To capture the sound of participants' voices
- b) To capture the sound of the environment
- c) To capture the sound of music
- d) To capture the sound of animals

**Answer: a) To capture the sound of participants' voices**

**8. What is the significance of choosing the right microphone in speech recognition and voice control applications?**

- a) The accuracy and reliability of the technology depend on the quality of the microphone
- b) The accuracy and reliability of the technology do not depend on the quality of the microphone
- c) The accuracy and reliability of the technology depend on the color of the microphone
- d) The accuracy and reliability of the technology depend on the price of the microphone

**Answer: a) The accuracy and reliability of the technology depend on the quality of the microphone**

**9. What is the significance of microphones in environmental monitoring?**

- a) To capture the sound of the environment
- b) To capture the sound of music
- c) To capture the sound of participants' voices
- d) To capture the sound of animals

**Answer: d) To capture the sound of animals**

**10. What is the role of microphones in virtual and augmented reality applications?**

- a) To capture the sound of participants' voices
- b) To capture the sound of the environment
- c) To capture the sound of music
- d) To capture the sound of animals

**Answer: b) To capture the sound of the environment**