

29 Lecture - CS101

Important Mcqs

1. **What is the primary function of a microphone in computer science?**

- a) To display images on the computer screen
- b) To capture sound and convert it into digital signals
- c) To scan documents and convert them into digital format

Answer: b) To capture sound and convert it into digital signals

2. **Which type of microphone is most commonly used in music recording?**

- a) Dynamic microphone
- b) Condenser microphone
- c) Ribbon microphone

Answer: b) Condenser microphone

3. **What is the purpose of noise-canceling technology in teleconferencing and video conferencing applications?**

- a) To amplify background noise
- b) To filter out background noise
- c) To distort the sound quality

Answer: b) To filter out background noise

4. **What is speech recognition?**

- a) A technology that allows computers to interpret spoken language and convert it into text or other commands
- b) A technology that allows computers to interpret body language and gestures
- c) A technology that allows computers to interpret written language and convert it into speech

Answer: a) A technology that allows computers to interpret spoken language and convert it into text or other commands

5. **What is voice control technology?**

- a) A technology that allows computers to control a user's voice
- b) A technology that allows users to interact with devices using spoken commands
- c) A technology that allows computers to detect the presence of a user's voice

Answer: b) A technology that allows users to interact with devices using spoken commands

6. **Which of the following is a scientific application of microphones?**

- a) Sending text messages
- b) Recording music
- c) Environmental monitoring

Answer: c) Environmental monitoring

7. **Why is microphone quality necessary in speech recognition and voice control applications?**

- a) Because it can impact the accuracy and reliability of the technology
- b) Because it can impact the color and design of the technology
- c) Because it can impact the speed and memory of the technology

Answer: a) Because it can impact the accuracy and reliability of the technology

8. **Which type of microphone is best suited for capturing the sound of a guitar amplifier?**

- a) Dynamic microphone
- b) Condenser microphone
- c) Ribbon microphone

Answer: a) Dynamic microphone

9. **What is the purpose of acoustic imaging?**

- a) To capture and analyze sound waves in order to gain insights into various phenomena
- b) To capture and analyze visual images in order to gain insights into various phenomena
- c) To capture and analyze written text in order to gain insights into various phenomena

Answer: a) To capture and analyze sound waves in order to gain insights into various phenomena

10. **How will microphones impact the future of computer science?**

- a) They will become less important as technology advances
- b) They will play a critical role in the development of new technologies such as virtual and augmented reality
- c) They will become obsolete and be replaced by other technologies

Answer: b) They will play a critical role in the development of new technologies such as virtual and augmented reality.