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.