

Emerging Technologies in Computer Science

Sr	Questions	Answers Choice
1	Which of the following describes a benefit of using Software as a service .	<p>A. Users need to maintain their own software installations</p> <p>B. Ability to customize underlying infrastructure</p> <p>C. Software in hosted and managed by a third party</p> <p>D. Ability to customize underlying infrastructures</p>
2	In what ways does AI help e-commerce compaines.	<p>A. AI Improve websie load times</p> <p>B. AI create personalized product recommendations</p> <p>C. AI manages inventory in physical stores</p> <p>D. AI develops new manufactruing techniques</p>
3	What is the major ethical concern associated with the use of deep faskes.	<p>A. Enhancing securiyt meaasures</p> <p>B. Deceiving people especially in politics or finance</p> <p>C. Creating realistic and factual video</p> <p>D. Improving information accuracy</p>
4	What is the primary purpose of using AI Techniques in machine learning models?	<p>A. To improve accuracy</p> <p>B. To enhance interpretability</p> <p>C. To reduce computaational complexity</p> <p>D. All of the above</p>
5	Which of the following describes a common application of AI in customer service.	<p>A. AI predicting finaicial trends</p> <p>B. AI generating automated responses through chatbots</p> <p>C. AI analyzing satellite images</p> <p>D. AI creating personalized advertisements</p>
6	In computer vision which task involves identyfing and locting objects within an image?	<p>A. Speech recognition</p> <p>B. Image classification</p> <p>C. Langauge translation</p> <p>D. Object detection</p>
7	What potential problem arises due to the lack of transparency in AI decision making?	<p>A. Enhance user trust in AI</p> <p>B. Clear understnding of the AI decision making process</p> <p>C. Difficulty in understanding why certain choices are made</p> <p>D. Increased efficiency in healthcare and law enforcement</p>
8	How does AI contribute to the field of cybersecurity.	<p>A. AI automates repetitve administrative tasks</p> <p>B. AI enhances threat detection and response</p> <p>C. al manages customer interactions</p> <p>D. AI monitors physical security systems</p>
9	What is primary goal of natural language processing in the field of AI?	<p>A. Identifying patterns in visual data</p> <p>B. Understing and generating human langauge</p> <p>C. Recognizing facial expressions</p> <p>D. Analyzing sensor data</p>
10	The technology concerned with training the computer to understand spoken and written words and to take action is known as.	<p>A. Virtual training</p> <p>B. Natural language processing</p> <p>C. Virtual Assistant</p> <p>D. Language analysis</p>
11	What is a key concern about using AI for hiringand recruitment	<p>A. AI might reduce job loss</p> <p>B. AI might reduce or amplify biases in hiring decisions</p> <p>C. AI could lower the cost of recruitment</p> <p>D. AI could improve workplace diversity</p>

12	What is the key concern associated with algorithmic bias in AI powered decision making processes.	A. Lack of transparency B. Perpetuation of existing social biases C. Reduced accuracy of the model D. All of the above
13	The AI tool used for correcting spelling and grammar mistakes is.	A. Grammarly B. ChatGPT C. Lovo AI D. Virtual assistant
14	In what way can AI be used to improve manufacturing processes?	A. AI generating design patterns B. AI automating assembly line and quality control C. AI translating technical documents D. AI creating marketing strategies
15	What is the key difference between explainable and unexplainable AI models.	A. The training data used B. The performance of the model C. The ability to understand the decision making process D. The complexity of the model
16	Virtual assistant that belongs to Apple Inc. is	A. Alexa B. Siri C. Google Assistant D. Cortana
17	Which of the following is an application of AI in healthcare.	A. Personalized drug development B. Automated diagnosis C. Remote patient monitoring D. All of the above
18	Which of these AI algorithms is considered an explainable model.	A. Neural Networks B. Random Forests C. Decision Trees D. Convolutional Neural Networks
19	Which of the following is not a subfield of AI?	A. Machine learning B. Natural Language Processing C. Robotics D. Computer Vision
20	The technology concerned with performing specific tasks with little or no human intervention using computer controlled machines is called.	A. Robotics B. Computer vision C. Virtual technology D. Computer intelligence