Emerging Technologies in Computer Science

Sr	Questions	Answers Choice
1	Which of the following is not a subfield of AI?	A. Machine learning B. Natural Lanaguage Processing C. Robotics D. Computer Vision
2	What is a primary feature of infrastructur eas a Service in clud computing.	A. Offering virtualized hardware resources like servers and storage B. Providing a complete software solutiong for customers C. Manageing all aspects of company's IT infrastructure D. Delivering specific applications over the internet
3	What is a key concern about using AI for hiringand recruitment	A. AI might reduce job loss B. AI might reduce or amplify biases in hiring decisions C. AI could lower the cost of recruitment D. AI could improve workplace diversity
4	How does AI contribute to the field of cybersecurity.	A. AI automates repetitve administrative tasks B. AI enhances threat detection and response C. aI manages customer interactions D. AI monitors physical security systems
5	The technology concerned with performing specific tasks with little or no humna intervention using computer controlled machine in called.	A. Robotics B. Computer vision C. Virtual technology D. Computer intelligence
6	In computer vision which task involves identifyng and locting objects within an image?	A. Speech recognition B. Image classification C. Langauge translation D. Object detection
7	Which of the following describes a benefit of using Software as a service .	A. Users need to maintain their own software installations B. Ability to customize underlying infracstructure C. Software in hosted and managed by a third party D. Ability to customize underlying infrastures
8	What is the major ethical concern associated with the use of deep faskes.	A. Enhancing securiyt meaasures B. Deceiving people especially in politics or finance C. Creating realistic and factual video D. Improving information accuracy
9	The AI tool that converts text to speech is	A. Lovo AI B. Grammarly C. Chat GPT D. Alexa
10	What is a potential disadvantage of AI according to the information provided?	A. Lowered Costs B. Reduced job loss C. Creaivity limitations D. Enhanced emotional capabilities
11	How does AI contribute to the gaming industry? Which aspect of AI is responsible fo rcustomizing the gaming experience for players.	A. AI generate life like NPCs and deep learning is responsible for customization B. AI generae graphics quality, and supervised learning customizes the gaming exprience C. AI improves game physics, and natural langauge processing customizes the gaming exprence. D. AI create in game content and

		reinforcement learnign customizes the gaming experience
12	Virtual assistant that belong to Apple Inc.is	A. Alexa B. Siri C. Google assistant D. Cortana
13	Which of these AI algorithms is considered an explainable model.	A. Neural Networks B. Random Forests C. Decision Trees D. Convolutional Neural Networks
14	Which of these is a security concer in IoTdeployments.	A. Device vulnerability B. Data Privacy C. Lack of standardization D. All of the above
15	In what way can AI be used to improve manufacturing processes?	A. AI generating design pattern B. AI automating assembly line and quality control C. AI translating technical documents D. AI creating marketing strategies
16	What potential problem arises due to the lack of transparency in AI decision making?	A. Enhance user trust in AI B. Clear understnding of the AI decision making process C. Difficulty in undrstanding why certain choices are made D. Increased efficiency in healthcare and law enforcement
17	Which of the following is an ethical pricniple that should be considered in the development and deployement of AI and Iot technology	A. Transparency and accountability B. Respect for priacy and data rights C. Fairness and non discrimination D. All of the above
18	Which of these is a potential impact of AI and IoT on the job market.	A. Job displacment due to automation B. Increased demand for specialized skills C. Transformation of job roles and responsibilities D. All of the above
19	What is primary goal of natural language processing in the field of AI?	A. Identifying patterns in visual data B. Understing and generating human langauge C. Recognizing facial expressions D. Analyzing sensor data
20	Which principle is suggestd for the ethical design of AI algorithm to ensure trust in technology?	A. Maintain secrecy and non disclosure B. Prioritize use control nd customization C. Avoid provding transparency in algorithm operations D. Disregard fairness and bias mitigation