Emerging Technologies in Computer Science

Sr	Questions	Answers Choice
1	Instant answers to website visitors questions through text or voice interactin are provided by.	A. Robot B. Cloud computing C. Chatbot D. Expert system
2	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
3	Which of the follow following is an application of IoT in the transportation domain.	A. Smart traffic managment B. Vehiccle to vehicle communication C. Predictive maintenance of vehicles D. All of the above
4	Virtual assistant that belong to Apple Inc.is	A. Alexa B. Siri C. Google assistant D. Cortana
5	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
6	The technology concerned with training the computer to understand spoken and written words and to take action is known as.	A. Virtual training B. Natural language processing C. Virtual Assistant D. Language analysis
7	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
8	The technology used in self driving cars is called.	A. Natural langauge processing B. Chatbot C. Computer vision D. Virtual assistant
9	In which are of AI is facial recognition technolgy commonly used.	A. Expert system B. Speech recognition C. Computer vision D. Natrual langauge processing
10	What is the key concern associated with algorithmic bias in AI powered decision making processes.	A. Lack of transparency B. Perpetuation of existing socieal biases C. Reduced accuracy of the model D. All of the above
11	The AI tool that converts text to speech is	A. Lovo AI B. Grammarly C. Chat GPT D. Alexa
12	What is the primary purpose of using AI Techniques in machine learning models?	A. To improve accuracy B. To enhance interpretability C. To reduce computaational complexity D. All of the above
13	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
14	What is a key concern when using AI for hiring and recruitment.	A. AI might reduce job loss B. AI might reduce or amplify biases in hiring decisions C. AI could lower the cost of

14	What is a key concern about using AI for hiring and recruitment	C. AI could lower the cost of recruitment D. AI could improve workplace diversity
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 is the key difference between explainable and unexplanable AI models.	A. The trainign data used B. The performance of the model C. The ability to understand the decision making process D. The complexity of the model
17	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
18	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
19	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
20	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