**AI Questions

1. **What is artificial intelligence (AI)? Give two examples of AI applications in daily life.**
2. **Explain the difference between AI and human intelligence in 2-3 points.**
3. **How does a virtual assistant like Siri or Alexa work? Explain briefly.**
4. **What is machine learning, and how is it related to AI?**
5. **Describe how AI is used in self-driving cars. Mention one benefit and one challenge.**
6. **How do recommendation systems on platforms like Netflix or Amazon use AI?**
7. **What is facial recognition technology, and where is it commonly used?**
8. **Explain how AI can be used in healthcare. Give two examples.**
9. **What are chatbots, and how do they help businesses or customers?**
10. **How can AI help in solving environmental problems like pollution or climate change?**
11. **What is natural language processing (NLP), and how is it used in AI systems?**
12. **Explain the concept of algorithms in AI. Why are they important?**
13. **What are the benefits of using AI in education? Give two examples.**
14. **How is AI used in agriculture? Explain one application.**
15. **What are the ethical concerns related to AI? Mention two concerns and suggest solutions.**
16. **Can AI replace human jobs? Explain your answer with examples.**
17. **What is computer vision, and how is it used in AI applications?**
18. **How does AI improve the gaming experience? Explain with an example.**
19. **What is the role of data in training AI systems? Explain briefly.**
20. **Do you think AI can ever become smarter than humans? Justify your answer.**

Sample Answers for Reference

Question 1:
What is artificial intelligence (AI)? Give two examples of AI applications in daily life.
Answer:
Artificial intelligence (AI) refers to the ability of machines to perform tasks that typically require human intelligence, such as learning, reasoning, and problem-solving. Two examples of AI in daily life are:
1. **Virtual assistants** like Siri or Alexa, which help users with tasks like setting reminders or playing music.
2. **Recommendation systems** on platforms like Netflix or YouTube, which suggest movies or videos based on user preferences.

Question 5:
Describe how AI is used in self-driving cars. Mention one benefit and one challenge.
Answer:
AI is used in self-driving cars to detect objects, navigate roads, and make decisions in real-time. It uses sensors, cameras, and machine learning algorithms to analyze the environment.
- **Benefit:** Self-driving cars can reduce accidents caused by human error.
- **Challenge:** They may struggle to make decisions in unpredictable situations, such as bad weather or unclear road signs.

Question 15:
What are the ethical concerns related to AI? Mention two concerns and suggest solutions.
Answer:
Two ethical concerns related to AI are:
1. **Bias in AI systems:** AI can make biased decisions if trained on biased data. To address this, diverse and unbiased data should be used for training.
2. **Job displacement:** AI may replace certain jobs, leading to unemployment. Solutions include reskilling workers and creating new job opportunities in AI-related fields.