

E. Answer the questions in 50-80 words each.

1. Howard Gardner's Types of Intelligences:

Howard Gardner proposed multiple intelligences including: Linguistic (e.g., writers), Logical-Mathematical (e.g., scientists), Spatial (e.g., architects), Bodily-Kinesthetic (e.g., dancers), Musical (e.g., musicians), Interpersonal (e.g., leaders), Intrapersonal (e.g., philosophers), and Naturalistic (e.g., environmentalists).

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9. AI Ethics Definition:

AI ethics is a field studying the moral principles and values that should guide the design, development, deployment, and use of AI systems to ensure they are fair, transparent, accountable, and beneficial to society.

10. AI Violating Human Rights:

AI can violate human rights through biased facial recognition leading to wrongful arrests or surveillance systems infringing on privacy and freedom of expression.

11. Identifying AI-based Machine/Application:

A machine/application is AI-based if it exhibits learning, reasoning, or problem-solving capabilities without explicit human programming for every scenario, e.g., a chatbot understanding and responding to natural language queries.

12. Image Search Concern (Beaches):

The concern is filter bubbles or algorithmic bias, where search engines prioritize popular or personalized results, potentially limiting exposure to diverse options and perpetuating stereotypes or commercial interests.

13. AI for Ethical Concerns & Social Good:

AI can address ethical concerns and promote social good by optimizing resource allocation for environmental conservation (e.g., monitoring deforestation) and improving healthcare access through remote diagnostics.

14. Importance of Data Privacy in AI:

Data privacy is crucial in AI to protect individuals' sensitive information from misuse, unauthorized access, and algorithmic discrimination, building trust and ensuring ethical data handling.

15. Ethical Considerations for AI-generated Content & Misinformation:

Ethical considerations include preventing the spread of misinformation and malicious content. Measures include content moderation, fact-checking mechanisms, and clear labeling of AI-generated material.

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