

2. Relate You and AI in this World

Worksheet

A. Choose the correct option:

1. What is the term used to describe the interaction between humans and machines in the context of Artificial Intelligence?
 - (a) Human-robot harmony
 - (b) Cyborg fusion
 - (c) Human-machine interface
 - (d) Robotic symbiosis
2. Which of the following is an example of a narrow or weak AI application?
 - (a) Virtual personal assistants
 - (b) Autonomous vehicles
 - (c) General game playing AI
 - (d) Sentient robotics
3. What does the term "smart city" primarily refer to?
 - (a) Cities with advanced skyscrapers
 - (b) Urban areas with intelligent infrastructure and technology integration
 - (c) Cities with high population density
 - (d) Metropolises with green spaces
4. What is a common challenge or roadblock hindering the development of smart cities?
 - (a) Excessive green spaces
 - (b) Lack of public transportation
 - (c) Overreliance on traditional infrastructure
 - (d) Robust cybersecurity measures
5. In the context of smart homes, what does IoT stand for?
 - (a) Internet of Things
 - (b) Intelligent Operating Technology
 - (c) Integrated Object Tracking
 - (d) Internet Oriented Technology
6. Which AI-based app gained widespread popularity globally for its language translation capabilities?
 - (a) Siri
 - (b) Google Translate
 - (c) Cortana
 - (d) Amazon Alexa
7. What Indian AI-based app is renowned for its personalised news feed and content recommendations?
 - (a) Hike Messenger
 - (b) JioSaavn
 - (c) DailyHunt
 - (d) Byju's
8. How can Artificial Intelligence contribute to healthcare, specifically in diagnostics?
 - (a) Predicting weather patterns
 - (b) Analysing medical imaging data
 - (c) Designing architectural plans
 - (d) Generating music compositions
9. What key infrastructure component is crucial for the effective functioning of smart cities in terms of data collection and management?
 - (a) Traditional street lighting
 - (b) Smart grids
 - (c) Conventional waste management systems
 - (d) Manual traffic control

10. Which voice-based AI assistant is known for its association with Apple products?

(a) Google Assistant

(b) Amazon Alexa

(c) Siri

(d) Cortana

B. Rewrite the statements correcting the mistakes in it.

1. AI is exclusively used for complex tasks and has no relevance in everyday applications.
2. Smart cities only focus on technological advancements and neglect sustainability.
3. Cybersecurity is not a significant concern for the development of smart cities.
4. Smart homes are solely focused on entertainment and convenience, neglecting security.
5. AI-based apps are limited to a few developed countries and have no significant impact globally.