

SOLVED WORKSHEET



SESSION 13

AI in 21st Century

This worksheet belongs to _____

1. Which of the following is not an advantage of using AI in public transportation?
- a) Reduces emissions
 - b) Increases transport frequency
 - c) Provides better routes
 - d) Decreases fare

Answer: d)

1 Point

2. Which of these are the ways in which AI is helping in shaping smart cities? (1 or more correct answer):
- a) Security
 - b) Maintenance
 - c) Controlling pollution
 - d) Drainage system

Answer: a), b), c)

3 Points

3. Smart cities that are innovating with AI technology are able to better predict the future needs of the people.
- a) True
 - b) False

Answer: a)

1 Point

4. Match the following- Match the AI Impact with the reason of application of AI:

AI Impact	Reason for AI impact
(i) Starting an AI career	a) Curiosity, confidence, and perseverance are good traits for any student looking to break into AI
(ii) Getting an AI education	b) AI will be a great transformer, improving the efficiency of many sectors
(iii) Landing a job in AI	c) Almost all industries are impacted by the AI revolution: Healthcare, Cybersecurity, Manufacturing, Construction, Education, Retail etc.

Answer: (i) b) (ii) a) (iii) c)

3 Points

5. Describe, how AI technology can be used for Traffic Management:

Answer:

AI technology can be used within the transportation industry to **reduce traffics and accidents**. AI technology can also be used within the **cameras** of traffic management systems to **detect road-crimes or accidents in real time**. This makes these mishaps easier to monitor and deal with.

2 Points