



INDIAN SCHOOL AL WADI AL KABIR

Class: VII	Department: Computer Science	Year: 2026-2027
Worksheet with solutions	Subject: CT & AI Chapter1: AI in Industries	

SECTION A: MULTIPLE CHOICE QUESTIONS

1.What does a smart device like a fitness band or health app do if it detects an irregular heart rate?

- a) It performs surgery on the spot
- b) It recommends visiting the doctor right away
- c) It automatically dials the local coast guard
- d) It shuts down to save its battery

2. How many cuts were used to perform the precision heart surgery on the young girl in the case study?

- a) One large cut
- b) Three small cuts
- c) Twelve micro-cuts
- d) No cuts at all

3. What is one way AI-powered apps help teachers with classroom administration?

- a) By writing textbook chapters
- b) By grading papers so teachers have more time to help students learn
- c) By replacing the teacher during parent-teacher meetings
- d) By driving school buses on busy routes

4. If a driver is distracted, how can AI-powered technology in self-driving cars help?

- a) By turning off the engine immediately
- b) By alerting the driver and slowing down the vehicle

- c) By calling emergency contacts to report the driver
- d) By playing loud music to wake up the driver

5. What does the AI system do when a student answers a question on an educational app?

- a) It records their score for the final year exam
- b) It immediately checks the response and provides feedback
- c) It blocks them from moving to the next level
- d) It forwards the answer to global medical databases

6. What is the benefit of AI in managing workplace environments?

- a) It allows employees to work shorter shifts
- b) It monitors the environment and alerts personnel to potential hazards
- c) It controls the stock of the factory automatically
- d) It replaces all human personnel with automated arms

7. How does AI help businesses protect their information online?

- a) By deleting old emails and archives
- b) By detecting fraud and identifying hacking attempts
- c) By translating files into different languages
- d) By reducing water resistance

8. Why can an AI system work nonstop to complete repetitive factory tasks?

- a) Because it is programmed to ignore errors
- b) Because it does not get exhausted or bored
- c) Because it only works during the daytime
- d) Because it replaces human managers

Fill in the Blanks

1. AI can read through thousands of medical reports in just a few _____.
2. To help Aisha attend her classes, the AI reminder system adjusted its notifications based on her daily _____.
3. Self-driving cars have developed vehicles that can see _____, read traffic signs, and help drivers.

4. In communication, AI can enhance sound and video quality during online meetings by reducing _____.

True or False

1. AI helps businesses reduce costs by controlling stock and energy use, which diminishes waste. (True / False)
2. The AI traffic system in Mumbai adjusted traffic patterns only after the heavy rains had already flooded the streets. (True / False)
3. During online classes, AI can help reduce background noise so students can hear the teacher clearly. (True / False)
4. In the watch factory, human inspectors using magnifying glasses missed about 18% of defects. (True / False).

MCQ Answers

1. **b) It recommends visiting the doctor right away**
2. **b) Three small cuts**
3. **b) By grading papers so teachers have more time to help students learn**
4. **b) By alerting the driver and slowing down the vehicle**
5. **b) It immediately checks the response and provides feedback**
6. **b) It monitors the environment and alerts personnel to potential hazards**
7. **b) By detecting fraud and identifying hacking attempts**
8. **b) Because it does not get exhausted or bored**

Fill in the Blanks Answers

1. **seconds**
2. **routine**
3. **obstacles**
4. **background noise**

True or False Answers

1. **True**
2. **False**
3. **True**
4. **False**