

Unit TWO

READING

Exercise 1. Skimming & Scanning Questions**

1. Which industries are expected to invest most heavily in AI between 2018 and 2023, according to IDC's forecast?

a. Retail and banking

b. Media and federal governments

c. Healthcare and pharmaceuticals

d. Manufacturing and industrial automation

2. What is the primary concern with the use of AI in decision-making?

a. Lack of government oversight

b. The high cost of implementation

c. The complexity of the technology

d. The potential for job loss

3. What is machine learning notable for?

a. Its ability to automate simple, repetitive tasks

b. Its capacity to process data quickly

c. Its ability to make high-level decisions

d. Its low cost of implementation

4. What is the potential impact of AI in healthcare?

a. Improved billing and paperwork processing

b. Analysis of data, imaging, and diagnosis

c. Automation of simple tasks

d. Reduction in healthcare costs

5. What is the potential benefit of AI in employment?

a. Replacing workers with automation

b. Reducing the need for human decision-making

c. Allowing workers to focus on other responsibilities

d. Decreasing worker productivity

6. What is the purpose of AI in product development?

a. To eliminate the need for testing

b. To accelerate the trial-and-error process

c. To minimize the cost of development

d. To improve the quality of products

7. What is the current level of government oversight of AI in the US?

a. Extensive oversight is in place

b. There is no government oversight

c. Oversight is limited to certain industries

d. Oversight is primarily focused on healthcare

8. What is the expected worldwide business spending on AI in 2024, according to IDC's forecast?

- a. \$5 billion
- b. \$50 billion
- c. \$110 billion**
- d. \$1 trillion

9. What is the potential impact of AI on the pharmaceutical industry?

- a. Reduction in trial-and-error costs**
- b. Automation of all drug development processes
- c. Elimination of the need for clinical trials
- d. Decrease in the time required for FDA approval

10. What is the goal of "hybrid" jobs as enabled by AI?

- a. To replace human workers with automation
- b. To eliminate the need for technical skills in the workforce
- c. To allow workers to focus on non-technical responsibilities
- d. To increase the value of workers to employers.**

Exercise 2. Careful Reading & Inferencing Questions**

1. What is the main concern about AI that is addressed in the passage?

- a. Its potential to improve efficiency and bring down costs
- b. Its ability to accelerate research and development

c. Its potential to have structural biases and cause societal harm

2. According to a forecast by IDC, what is the expected worldwide business spending on AI by 2024?

a. \$50 billion

b. \$110 billion annually

c. \$5 billion each in retail and banking industries

3. What is the focus of the research project, Managing the Future of Work?

a. The automation of simple repetitive tasks

b. The development and implementation of AI, including machine learning, robotics, sensors, and industrial automation, in business and the work world

c. The integration of vast troves of information to aid in strategic decision-making

4. Which branch of AI is notable for its ability to sort and analyze massive amounts of data and to learn over time?

a. Robotics

b. Sensors

c. Machine learning

5. What is the biggest potential impact of AI in the field of healthcare?

a. Billing and processing necessary paperwork

b. Analysis of data, imaging, and diagnosis

c. Integration of vast troves of information to aid in strategic decision-making

6. How is AI transforming employment?

- a. By replacing employees with automation
- b. By taking on important technical tasks of their work, making them more productive and therefore more valuable to employers**
- c. By routing for package delivery trucks

7. What is the term used for jobs in which AI takes on important technical tasks of employees' work?

- a. Hybrid jobs**
- b. Technical jobs
- c. Managerial jobs

8. What is the potential benefit of AI taking on important technical tasks of employees' work?

- a. To replace employees with automation
- b. To make employees more productive and therefore more valuable to employers**
- c. To reduce the workload of employees

9. What is the critical advance that AI tools are helping to minimize in product development for the pharmaceutical industry?

- a. Time in the pricey trial-and-error of product development**
- b. Sourcing of materials and products from suppliers
- c. Integration of vast troves of information to aid in strategic decision-making

10. What is the potential benefit of AI analyzing job interviewees' voice and facial expressions in hiring?

- a. To make the hiring process more efficient
- b. To reduce the workload of human recruiters
- c. To identify important qualities in job candidates**

Exercise 3. Vocabulary Questions**

- 1. Which of the following is a synonym for "game-changing" in the context of AI technology?**
 - a. Revolutionary**
 - b. Incremental
 - c. Insignificant
- 2. Which of the following is another word for "complex" as used to describe AI systems?**
 - a. Simple
 - b. Complicated**
 - c. Uncomplicated
- 3. Which of the following is a synonym for "determinations" when referring to AI software making decisions?**
 - a. Conclusions**
 - b. Guesses
 - c. Suppositions
- 4. Which of the following is an alternative term for "structural biases" in relation to AI programming?**
 - a. Systemic preferences
 - b. Inherent inequities**
 - c. Fundamental fairness
- 5. Which of the following is another word for "sophistication" in reference to the development of AI technology?**

- a. **Complexity**
 - b. Simplicity
 - c. Naivety
6. Which of the following is a synonym for "troves" when describing the vast amounts of information that AI can process?
- a. Stashes
 - b. Dumps
 - c. **Hoard**
7. Which of the following is an alternative term for "immediate impact" when discussing the potential of AI in healthcare?
- a. **Short-term effects**
 - b. Delayed ramifications
 - c. Long-term benefits
8. Which of the following is another word for "culls" when referring to AI software processing resumes?
- a. **Selects**
 - b. Keeps
 - c. Rescues
9. Which of the following is a synonym for "technical tasks" in relation to AI taking on aspects of employees' work?
- a. Non-technical responsibilities
 - b. Non-technical tasks
 - c. **Nontechnical duties**
10. Which of the following is an alternative term for "attitudes" when discussing the effects of AI on workers?
- a. **Dispositions**
 - b. Behaviors

c. Traits