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(1_603488) - مهارات مهنية في هندسة البرمجيات

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2) [202320312 احمد زاهر, محمود ياسين, CS](#)**Status** Finished**Started** Tuesday, 23 December 2025, 10:21 AM**Completed** Tuesday, 23 December 2025, 10:45 AM**Duration** 24 mins 23 secs**Marks** 27.00/35.00**Grade** 19.29 out of 25.00 (77.14%)

Question 1

Correct

Mark 1.00 out of 1.00

What are the three essential components required for any AI system to function?

- a. A monitor, a keyboard, and a mouse.
 b. A printer, paper, and ink.
 c. Data, algorithms, and computing power. ✓
 d. The internet, a webcam, and a microphone.

The correct answer is: Data, algorithms, and computing power.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:21:16	Saved: Data, algorithms, and computing power.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 2

Correct

Mark 1.00 out of 1.00

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Which of the following creates the best definition for a Large Language Model (LLM)?

- a. A basic calculator used for statistical analysis.
- b. A small database used for storing passwords.
- c. An AI model trained on massive amounts of text to understand and generate human language. ✓
- d. A graphic design tool used solely for editing photos.

The correct answer is: An AI model trained on massive amounts of text to understand and generate human language.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet
2	23/12/25, 10:44:23	Saved: An AI model trained on massive amounts of text to understand and generate human language.	Answer
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 3

Correct

Mark 1.00 out of 1.00

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Why does empathy reduce the harshness of communication?

- a. Because it forces everyone to stop talking
- b. Because it encourages you to ignore the problem.
- c. Because it makes you agree with everything the other person says.
- d. Because it helps you see things from the other person's perspective. ✓

Your answer is correct.

The correct answer is: Because it helps you see things from the other person's perspective.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:22:53	Saved: Because it helps you see things from the other person's perspective.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 4

Correct

Mark 1.00 out of 1.00

Hide sidebars

What is the primary analytical difference between a "transactional" mindset and a "relationship" mindset in networking?

- a. Transactional focuses on "what can I get," while relationship focuses on "how can we support each other" ✓
- b. Transactional mindset is for students, and relationship mindset is for retirees
- c. Transactional focuses on long-term values, while relationship focuses on immediate gain
- d. There is no difference; they are the same concept

Your answer is correct.

The correct answer is: Transactional focuses on "what can I get," while relationship focuses on "how can we support each other"

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet
2	23/12/25, 10:23:41	Saved: Transactional focuses on "what can I get," while relationship focuses on "how can we support each other"	Answered
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 5

Correct

Mark 1.00 out of 1.00

Hide sidebars

1) Which of these is an example of your existing network?

- a. Strangers at the mall
- b. People you follow on TikTok
- c. Celebrities
- d. Classmates and professors ✓

Your answer is correct.

The correct answer is: Classmates and professors

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:23:57	Saved: Classmates and professors	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 6

Correct

Mark 1.00 out of 1.00

You should follow up after meeting someone Within 24–48 hours?

- True ✓
- False

The correct answer is 'True'.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:24:40	Saved: True	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 7

Correct

Mark 1.00 out of 1.00

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Evaluate the effectiveness of the "Character Strategy" for a student who feels nervous about networking. How does it help?

- a. By helping them play a more confident version of themselves to get started ✓
- b. By making them invisible to other people at the event
- c. By allowing them to lie about their professional experience
- d. By allowing the student to wear a literal mask and costume

Your answer is correct.

The correct answer is: By helping them play a more confident version of themselves to get started

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:26:10	Saved: By helping them play a more confident version of themselves to get started	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 8

Correct

Mark 1.00 out of 1.00

Hide sidebars

How do you define a problem during the "Define" step?

- a. By asking the CEO what they want to build.
- b. By skipping directly to the solution phase.
- c. By analyzing insights from the Empathize step to create a clear problem statement. ✓
- d. By guessing what the problem is without looking at data.

The correct answer is: By analyzing insights from the Empathize step to create a clear problem statement.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet an
2	23/12/25, 10:26:55	Saved: By analyzing insights from the Empathize step to create a clear problem statement.	Answer se
3	23/12/25, 10:45:23	Attempt finished	Correct

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Question 9

Incorrect

Mark 0.00 out of 1.00

Why are prototypes used in Design Thinking?

- a. To finalize the design
- b. To quickly explore and improve ideas
- c. To replace testing
- d. To impress users ❌

Your answer is incorrect.

The correct answer is: To quickly explore and improve ideas

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:27:27	Saved: To impress users	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Incorrect

Question 10

Incorrect

Mark 0.00 out of 1.00

1) You must attend every event to be successful at networking.

- True ❌
- False

The correct answer is 'False'.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:27:50	Saved: True	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Incorrect

Question 11

Correct

Mark 1.00 out of 1.00

Hide sidebars

1) Is sending a short message on LinkedIn a valid way to follow up?

- True ✓
- False

The correct answer is 'True'.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:28:14	Saved: True	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 12

Correct

Mark 1.00 out of 1.00

What is the first step in solving a problem?

- a. Understand the situation and gather information. ✓
- b. Panic and ask for help.
- c. Assign blame to someone else immediately.
- d. Try a random solution to see if it works.

Your answer is correct.

The correct answer is: Understand the situation and gather information.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:28:32	Saved: Understand the situation and gather information.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 13

Correct

Mark 1.00 out of 1.00

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Networking is a lifelong skill, not a one-time task.

- True ✓
- False

The correct answer is "True".

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:28:44	Saved: True	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 14

Correct

Mark 1.00 out of 1.00

How does "calm thinking" assist in problem-solving?

- a. It makes you seem indifferent to the issue.
- b. It allows you to ignore the problem until it goes away.
- c. It allows you to find logical solutions. ✓
- d. It slows down the process unnecessarily.

Your answer is correct.

The correct answer is: It allows you to find logical solutions.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:28:57	Saved: It allows you to find logical solutions.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 15

Correct

Mark 1.00 out of 1.00

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When using Copilot for Work, where does the system draw context from to provide personalized answers?

- a. Strictly from public Wikipedia pages.
- b. From random social media posts on the internet.
- c. From your organization's private data, such as emails and documents, via the Microsoft Graph. ✓
- d. It does not use any context and only provides generic answers.

The correct answer is: From your organization's private data, such as emails and documents, via the Microsoft Graph.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet
2	23/12/25, 10:30:57	Saved: From your organization's private data, such as emails and documents, via the Microsoft Graph.	Answer
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 16

Incorrect

Mark 0.00 out of 1.00

Hide sidebars

Scenario: A team is designing a new kitchen tool. They have finished understanding the user's current frustrations. Which combination of **focused activities** should they perform next to define the **ideal future experience**?

- a. Needs Statement and To-Be Scenario Map
- b. Stakeholder Map and Hopes and Fears
- c. As-Is Scenario Map and Feedback Grid ❌
- d. Sticky Notes and Large Whiteboard

Your answer is incorrect.

The correct answer is: Needs Statement and To-Be Scenario Map

Response history

Step	Time	Action	State
<u>1</u>	23/12/25, 10:21:00	Started	Not yet answered
<u>2</u>	23/12/25, 10:32:19	Saved: Needs Statement and To-Be Scenario Map	Answer saved
<u>3</u>	23/12/25, 10:33:05	Saved: As-Is Scenario Map and Feedback Grid	Answer saved
4	23/12/25, 10:45:23	Attempt finished	Incorrect

Question 17

Correct

Mark 1.00 out of 1.00

Hide sidebars

Why is communication described as "more than just talking"?

- a. Because it only counts if you are speaking to a large audience.
- b. Because it requires a large vocabulary of difficult words.
- c. Because it involves writing long reports.
- d. Because it includes listening, tone of voice, and body language. ✓

Your answer is correct.

The correct answer is: Because it includes listening, tone of voice, and body language.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answer
2	23/12/25, 10:33:18	Saved: Because it includes listening, tone of voice, and body language.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 18

Correct

Mark 1.00 out of 1.00

Hide sidebars

How does active listening improve communication?

- a. It ensures the conversation ends as quickly as possible.
- b. It lets you plan your response while the other person is talking.
- c. It prevents misunderstandings and shows respect. ✓
- d. It allows you to interrupt the speaker to correct them.

Your answer is correct.

The correct answer is: It prevents misunderstandings and shows respect.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:33:48	Saved: It prevents misunderstandings and shows respect.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

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Question 19

Correct

Mark 1.00 out of 1.00

How can design thinking be applied to your daily life or projects?

- a. By ignoring the needs of others and doing what you want.
- b. By sticking to the first solution you think of.
- c. By refusing to change your habits.
- d. By understanding real needs, generating multiple ideas, and improving based on feedback. ✓

The correct answer is: By understanding real needs, generating multiple ideas, and improving based on feedback.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:34:17	Saved: By understanding real needs, generating multiple ideas, and improving based on feedback.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 20

Incorrect

Mark 0.00 out of 1.00

Which type of AI focuses specifically on identifying patterns in historical data to make future forecasts?

- a. Generative AI. ✗
- b. Visual AI.
- c. Predictive AI.
- d. Creative AI.

The correct answer is: Predictive AI.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:34:47	Saved: Generative AI.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Incorrect

Question 21

Correct

Mark 1.00 out of 1.00

Hide sidebars

What is the Agile methodology?

- a. A strict, linear project method that takes years to complete.
- b. A method where no planning is required.
- c. A method used only for hardware manufacturing.
- d. A project method using small sprints ✓

Your answer is correct.

The correct answer is: A project method using small sprints

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:35:07	Saved: A project method using small sprints	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 22

Correct

Mark 1.00 out of 1.00

Hide sidebars

Why is it critical to focus on user needs during the design process?

- a. It makes the project take longer to complete.
- b. It ensures solutions are relevant and actually solve real problems rather than relying on assumptions. ✓
- c. It helps the company save money by ignoring customer feedback.
- d. It allows the design team to copy competitors' products exactly.

The correct answer is: It ensures solutions are relevant and actually solve real problems rather than relying on assumptions.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not ye
2	23/12/25, 10:36:12	Saved: It ensures solutions are relevant and actually solve real problems rather than relying on assumptions.	Answ
3	23/12/25, 10:45:23	Attempt finished	Correc

Question **23**

Correct

Mark 1.00 out of
1.00

Hide sidebars

Design Thinking is best described as:

- a. Only for designers
- b. Only for software projects
- c. One-time process
- d. Repetitive and iterative ✓

Your answer is correct.

The correct answer is: Repetitive and iterative

Response history

Step	Time	Action	State
<u>1</u>	23/12/25, 10:21:00	Started	Not yet answered
<u>2</u>	23/12/25, 10:36:31	Saved: Repetitive and iterative	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 24

Correct

Mark 1.00 out of 1.00

Hide sidebars

What is a common problem or risk associated with answers generated by reasoning engines?

- a. They can "hallucinate" or generate plausible-sounding but factually incorrect information. ✓
- b. They cannot answer questions in English.
- c. They can be too short to be useful.
- d. They are always 100% accurate and verified.

The correct answer is: They can "hallucinate" or generate plausible-sounding but factually incorrect information.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet a
2	23/12/25, 10:37:24	Saved: They can "hallucinate" or generate plausible-sounding but factually incorrect information.	Answer s
3	23/12/25, 10:45:23	Attempt finished	Correct

Question **25**

Correct

Mark 1.00 out of
1.00

Hide sidebars

What does the “Empathize” stage involve?

- a. Researching and understanding users ✓
- b. Building models
- c. Choosing the best solution
- d. Brainstorming ideas

Your answer is correct.

The correct answer is: Researching and understanding users

Response history

Step	Time	Action	State
<u>1</u>	23/12/25, 10:21:00	Started	Not yet answered
<u>2</u>	23/12/25, 10:38:04	Saved: Researching and understanding users	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 26

Correct

Mark 1.00 out of 1.00

Hide sidebars

What is a full-stack engineer?

- a. An engineer who works on both frontend and backend. ✓
- b. An engineer who specializes only in user interface design.
- c. An engineer who manages the project timeline only.
- d. An engineer who works solely on the database.

Your answer is correct.

The correct answer is:

An engineer who works on both frontend and backend.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:38:15	Saved: An engineer who works on both frontend and backend.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 27

Incorrect

Mark 0.00 out of 1.00

Hide sidebars

Why are software engineering principles necessary?

- a. To limit the number of people who can understand the code.
- b. To make the software code as long and complex as possible
- c. To increase the cost of software development excessively. ❌
- d. To ensure the software is clear and reliable.

Your answer is incorrect.

The correct answer is: To ensure the software is clear and reliable.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:39:22	Saved: To increase the cost of software development excessively.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Incorrect

Question 28

Correct

Mark 1.00 out of 1.00

Hide sidebars

Why are personal skills considered important in the workplace?

- a. Because they allow you to ignore company policies.
- b. Because they are required only for managers, not employees.
- c. Because they help you build relationships and perform effectively. ✓
- d. Because they help you work completely alone without a team.

Your answer is correct.

The correct answer is: Because they help you build relationships and perform effectively.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:39:46	Saved: Because they help you build relationships and perform effectively.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 29

Incorrect

Mark 0.00 out of 1.00

Asking for too much help too soon can harm the connection.

- True
- False ✗

The correct answer is 'True'.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:40:10	Saved: False	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Incorrect

Question 30

Incorrect

Mark 0.00 out of 1.00

Hide sidebars

1) Which of the following is NOT a correct thinking about networking?

- a. What can I learn from this person
- b. What can I get from this person
- c. None of them ❌
- d. How can we support each other

Your answer is incorrect.

The correct answer is: What can I get from this person

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:41:21	Saved: None of them	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Incorrect

Question 31

Correct

Mark 1.00 out of 1.00

Hide sidebars

1) What is essential when making a first impression?

- a. Talking about yourself only
- b. Handing out long resumes
- c. Interrupting others
- d. Staying present and engaged ✓

Your answer is correct.

The correct answer is: Staying present and engaged

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:41:57	Saved: Staying present and engaged	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 32

Incorrect

Mark 0.00 out of 1.00

Hide sidebars

What makes a good first impression?

- a. Talking for a long time
- b. Asking good questions
- c. Correcting people
- d. Avoiding eye contact ❌

Your answer is incorrect.

The correct answer is: Asking good questions

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:42:17	Saved: Avoiding eye contact	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Incorrect

Question 33

Correct

Mark 1.00 out of 1.00

Hide sidebars

What is the definition of software engineering?

- a. The physical assembly of computer hardware components.
- b. The act of selling software products to consumers.
- c. The process used to design and build software. ✓
- d. The management of human resources in IT companies.

Your answer is correct.

The correct answer is: The process used to design and build software.

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:43:03	Saved: The process used to design and build software.	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question 34

Correct

Mark 1.00 out of 1.00

Hide sidebars

What makes a team successful?

- a. Making sure every member works in isolation.
- b. Cooperation and focusing on "we" rather than "I." ✓
- c. A strict hierarchy where only one person speaks.
- d. Focusing on individual achievements and awards.

Your answer is correct.

The correct answer is: Cooperation and focusing on "we" rather than "I."

Response history

Step	Time	Action	State
<u>1</u>	23/12/25, 10:21:00	Started	Not yet answered
<u>2</u>	23/12/25, 10:43:13	Saved: Cooperation and focusing on "we" rather than "I."	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

Question **35**

Correct

Mark 1.00 out of
1.00

Hide sidebars

What is the meaning of abstraction in software engineering?

- a. It deletes necessary code to save space.
- b. It hides extra details to simplify the system ✓
- c. It duplicates data to ensure redundancy.
- d. It displays every single detail to the user.

Your answer is correct.

The correct answer is: It hides extra details to simplify the system

Response history

Step	Time	Action	State
1	23/12/25, 10:21:00	Started	Not yet answered
2	23/12/25, 10:43:31	Saved: It hides extra details to simplify the system	Answer saved
3	23/12/25, 10:45:23	Attempt finished	Correct

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