Started on	Monday, 10 November 2025, 11:08 AM
State	Finished
Completed on	Monday, 10 November 2025, 11:17 AM
Time taken	8 mins 47 secs
Marks	20.00/20.00
Grade	**100.00** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

How does multi-agent collaboration extend an MCP design?

a. Runs only one component at a time
b. Adds random noise to outputs
c. Allows multiple specialized agents to work together and share context
d. Replaces executors with multiple copies of the same model

Question 2

Complete

Mark 1.00 out of 1.00

In a Multi-Component Pipeline (MCP), which of the following is NOT a valid component type?

a. Reasoning component
b. Data ingestion component
c. Randomization component
d. Action execution component

Question 3

Complete

Mark 1.00 out of 1.00

In a multi-component pipeline, what happens if one component fails?

a. The LLM freezes
b. It continues blindly
c. The entire system restarts
d. The orchestrator detects failure and retries or rolls back

Question 4

Complete

Mark 1.00 out of 1.00

In agentic systems, the memory module is primarily used to:

- a. Retain past experiences and interactions for better decisions
- b. Replace embeddings
- c. Run inference faster
- d. Store API keys

Question 5

Complete

Mark 1.00 out of 1.00

In an MCP, the data orchestration layer ensures:

- a. Sequential data flow and dependency management between components
- b. Random input generation
- c. LLM parameter tuning
- d. Frontend rendering

Question 6

Complete

Mark 1.00 out of 1.00

The Reflection phase in an agentic loop helps the system:

- a. Learn from previous actions and improve future planning
- b. Optimize hyperparameters
- c. Log events to a database
- d. Re-prompt the model with identical instructions

Question 7

Complete

Mark 1.00 out of 1.00

What best defines an Agentic AI system?

- a. A supervised learning model using gradient descent
- b. A chatbot restricted to fixed scripted responses
- c. A model trained only on large datasets
- d. A system capable of autonomous reasoning, decision-making, and acting toward goals

Question 8

Complete

Mark 1.00 out of 1.00

What differentiates Agentic AI from traditional LLM-powered chatbots?

- a. Agentic AI is rule-based
- b. LLMs cannot use embeddings
- c. Agentic AI has reasoning, autonomy, memory, and environment interaction
- d. Chatbots are multi-modal

Question 9

Complete

Mark 1.00 out of 1.00

What distinguishes reactive agents from deliberative agents?

- a. Deliberative agents are stateless
- b. Reactive agents act immediately on observations; deliberative agents reason before acting
- c. Reactive agents rely on deep learning
- d. Reactive agents use reflection mechanisms

Question 10

Complete

Mark 1.00 out of 1.00

What is a Controller Agent in MCP terminology?

- a. The user interface
- b. A fine-tuned embedding model
- c. A reinforcement learner
- d. The master orchestrator managing multiple sub-agents and tasks

Question 11

Complete

Mark 1.00 out of 1.00

What is the function of the planner in an agentic architecture?

- a. Store past results
- b. Execute shell commands
- c. Handle API authentication
- d. Break down user goals into smaller actionable steps

Question 12

Complete

Mark 1.00 out of 1.00

What is the ultimate goal of an agentic MCP design?

- a. Minimize prompt length
- b. Achieve autonomous, explainable, and adaptive task execution through modular intelligence
- c. Replace all human workers
- d. Create larger LLMs

Question 13

Complete

Mark 1.00 out of 1.00

What role does feedback memory play in iterative pipelines?

- a. Stores user preferences and success metrics for adaptive improvement
- b. Resets system state
- c. Handles API calls
- d. Randomizes learning

Question 14

Complete

Mark 1.00 out of 1.00

Which approach improves the robustness of agentic AI in open-ended environments?

- a. Incorporating tool use and grounding mechanisms
- b. Training on synthetic data only
- c. Using one-shot prompts
- d. Increasing token limit

Question 15

Complete

Mark 1.00 out of 1.00

Which component is responsible for executing actions in the real world or digital environments?

- a. Reasoner
- b. Planner
- c. Executor (or Tool Use)
- d. Context Encoder

Question 16

Complete

Mark 1.00 out of 1.00

Which is an example of a Tool-Augmented Agent?

- a. GPT-4 answering trivia
- b. A sentiment classifier
- c. A static FAQ bot
- d. An LLM calling a Python calculator tool to solve equations

Question 17

Complete

Mark 1.00 out of 1.00

Which of the following is a core loop in agentic AI?

- a. Encode → Decode
- b. Plan → Act → Observe → Reflect
- c. Train → Validate → Test
- d. Input → Hidden → Output

Question 18

Complete

Mark 1.00 out of 1.00

Which of the following is a major benefit of Multi-Component Pipelines?

- a. Training LLMs faster
- b. Separation of responsibilities and enhanced modularity
- c. Removing need for context windows
- d. Reduced hardware requirements

Question 19

Complete

Mark 1.00 out of 1.00

Which open framework best represents MCP architecture for Agentic AI?

- a. Bootstrap
- b. LangChain / LlamaIndex
- c. Kubernetes only
- d. TensorFlow

Question 20

Complete

Mark 1.00 out of 1.00

Why is reflection combined with tool feedback powerful in agentic systems?

a. It avoids token overflows
b. It allows self-correction based on external feedback
c. It reduces computation time
d. It prevents hallucination entirely