Started on	Monday, 10 November 2025, 11:08 AM
State	Finished
Completed on	Monday, 10 November 2025, 11:17 AM
Time taken	8 mins 59 secs
Marks	19.00/20.00
Grade	**95.00** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

How does multi-agent collaboration extend an MCP design?

- a. Adds random noise to outputs
- b. Runs only one component at a time
- 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. Data ingestion component
- b. Randomization component
- c. Reasoning 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 orchestrator detects failure and retries or rolls back
- b. The entire system restarts
- c. It continues blindly
- d. The LLM freezes

Question 4

Complete

Mark 1.00 out of 1.00

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

- a. Replace embeddings
- b. Run inference faster
- c. Retain past experiences and interactions for better decisions
- 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. Frontend rendering
- d. LLM parameter tuning

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. Re-prompt the model with identical instructions
- c. Log events to a database
- d. Optimize hyperparameters

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

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

Question 9

Complete

Mark 1.00 out of 1.00

What distinguishes reactive agents from deliberative agents?

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

Question 10

Complete

Mark 1.00 out of 1.00

What is a Controller Agent in MCP terminology?

- a. A fine-tuned embedding model
- b. A reinforcement learner
- c. The user interface
- 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. Break down user goals into smaller actionable steps
- c. Execute shell commands
- d. Handle API authentication

Question 12

Complete

Mark 1.00 out of 1.00

What is the ultimate goal of an agentic MCP design?

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

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

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

Question 16

Complete

Mark 1.00 out of 1.00

Which is an example of a Tool-Augmented Agent?

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

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. Input → Hidden → Output
- c. Train → Validate → Test
- d. Plan → Act → Observe → Reflect

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. Removing need for context windows
- c. Reduced hardware requirements
- d. Separation of responsibilities and enhanced modularity

Question 19

Complete

Mark 0.00 out of 1.00

Which open framework best represents MCP architecture for Agentic AI?

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

Question 20

Complete

Mark 1.00 out of 1.00

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

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