AI-201 Certification Dumps | AI-201 Exam Course

AIR FORCE INSTITUTE OF TECHNOLOGY
FACULTY OF ENGINEERING
ELECTRICAL ELECTRONIC ENGINEERING DEPARTMENT
FIRST SEMESTER EXAMINATION 2020/2021
BACHELOR OF ENGINEERING - 200 LEVEL
ELECTRICAL / AEROSPACE / AUTOMOTIVE / CIVIL / ICE /
MECHANICAL / MECHTRONICS / MET & MAT / TELECOMS

Course Title:	APPLIED ELECTRICITY I
Course Code:	GET 201
Credit Unit:	2 Units
Instruction:	1. ANSWER ALL QUESTION
	2. SHOW ALL WORKING AND WRITE DOWN THE CORRECT OPTION (SHOWING YOUR WORK FETCHES YOU THE FULL MARKS)
Duration:	2 HOURS
Date:	6th August 2021

SECTION A

Given that a coil has a resistance of 30Ω and an inductance of 0.5H. If the current flowing through the coil is 4amps as shown in Figure 2. Answer questions **1 through 6** if the frequency of the supply voltage is 50Hz.
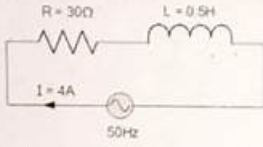
$R = 30\Omega$ $L = 0.5H$

$I = 4A$

50Hz

Figure 1

1. Calculate the Inductive reactance.
   A. 130Ω
   B. 157Ω
   C. 328Ω
   D. 211Ω

2. What is the impedance?
   A. 136.6Ω
   B. 15.7Ω
   C. 159.8Ω
   D. 241Ω

3. Calculate the voltage drop across the resistor.
   A. 120V
   B. 107V
   C. 120.8V
   D. 244V

4. Calculate the voltage drop across the inductor.
   A. 628V
   B. 640V
   C. 120V
   D. 300V

5. What is the supply voltage?
   A. 628V
   B. 640V
   C. 120V
   D. 300V ·

6. The estimated phasor angle?
   A. 79.2°
   B. 64°
   C. 32°
   D. 36.25°

Given capacitor which has an internal resistance of 10Ω and a capacitance value of 100uF is connected to a supply voltage given as $V_{in} = 100 \sin (314t)$ as seen in Figure 3. Use the information to answer question **7 through 12**.

Page 1 of 6

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Salesforce Certified Agentforce Specialist Sample Questions (Q68-Q73):

NEW QUESTION # 68
Universal Containers (UC) wants to use Generative AI Salesforce functionality to reduce Service Agent handling time by providing recommended replies based on the existing Knowledge articles.
On which AI capability should UC train the service agents?

- **A. Service Replies**
- B. Knowledge Replies
- C. Case Replies

Answer: A

Explanation:
Service Replies (specifically Einstein Service Replies) is the Salesforce Generative AI functionality designed to automatically draft responses for service agents in real-time, based on contextual information, including existing knowledge articles. This directly addresses Universal Containers' need to reduce handling time by providing recommended replies grounded in their knowledge base

NEW QUESTION # 69
An Agentforce Specialist needs to create a prompt template that extracts the customer's name, phone number, and case number from a block of text, and nothing else. How should the Agentforce Specialist structure the prompt to ensure the large language model (LLM) doesn't include extra conversation or text?

- A. Ask the LLM to extract and only output the important information in the text.
- **B. Use well-defined output instructions and provide desired output examples.**
- C. Ensure in the prompt that the LLM has been told to only use name value pairs in the response.

Answer: B

Explanation:
According to the official AgentForce Prompt Template Design Guide, when extracting specific data such as customer name, phone number, and case number from unstructured text, the best practice is to use well-defined output instructions and examples. The documentation specifies:
"To ensure the LLM produces consistent and precise outputs, prompts must include explicit output formatting instructions and examples that demonstrate the desired structure." AgentForce guidance emphasizes structured output control to prevent the LLM from adding conversational or extraneous text. It states: "Always define your output schema clearly - for example, specify JSON or key-value pairs - and provide one or more examples of what the model should return. This ensures the model responds only with structured data and not natural language."

NEW QUESTION # 70
Universal Containers (UC) wants to create a new Sales Email prompt template in Prompt Builder using the "Save As" function. However, UC notices that the new template produces different results compared to the standard Sales Email prompt due to missing hyperparameters. What should UC do to ensure the new prompt template produces results comparable to the standard Sales Email prompts?

- **A. Manually add the hyperparameters to the new template.**
- B. Revert to using the standard template without modifications.
- C. Use Model Playground to create a model configuration with the specified parameters.

Answer: A

Explanation:
When Universal Containers creates a new Sales Email prompt template using the "Save As" function, missing hyperparameters can

result in different outputs. To ensure the new prompt produces comparable results to the standard Sales Email prompt, the Agentforce Specialist should manually add the necessary hyperparameters to the new template.

Hyperparameters like Temperature, Frequency Penalty, and Presence Penalty directly affect how the AI generates responses. Ensuring that these are consistent with the standard template will result in similar outputs.

NEW QUESTION # 71

Universal Containers deploys a new Agentforce Service Agent into the company's website but is getting feedback that the Service Agent is not providing answers to customer questions that are found in the company's Salesforce Knowledge articles. What is the likely issue?

- A. The Agentforce Service Agent user is not assigned the correct Agent Type License.
- B. The Agentforce Service Agent user needs to be created under the standard Agent Knowledge profile.
- C. The Agentforce Service Agent user was not given the Allow View Knowledge permission set.

Answer: C

Explanation:
According to the AgentForce Knowledge Integration and Access Configuration Guide, a Service Agent retrieves and grounds its responses using data from Salesforce Knowledge when the correct permissions are assigned. If customers report that the agent cannot access or provide answers from Knowledge articles, the most common root cause is that the AgentForce Service Agent user lacks the "Allow View Knowledge" permission.

This permission enables the agent to retrieve and read published articles from Salesforce Knowledge for grounding responses. Without it, the agent cannot access the content repository, resulting in incomplete or generic answers.

NEW QUESTION # 72

Universal Containers (UC) wants to ensure the effectiveness, reliability, and trust of its agents prior to deploying them in production. UC would like to efficiently test a large and repeatable number of utterances. What should the Agentforce Specialist recommend?

- A. Create a CSV file with UC's test cases in Agentforce Testing Center using the testing template.
- B. Leverage the Agent Large Language Model (LLM) UI and test UC's agents with different utterances prior to activating the agent.
- C. Deploy the agent in a QA sandbox environment and review the Utterance Analysis reports to review effectiveness.

Answer: A

Explanation:
The goal of Universal Containers (UC) is to test its Agentforce agents for effectiveness, reliability, and trust before production deployment, with a focus on efficiently handling a large and repeatable number of utterances. Let's evaluate each option against this requirement and Salesforce's official Agentforce tools and best practices.

NEW QUESTION # 73

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