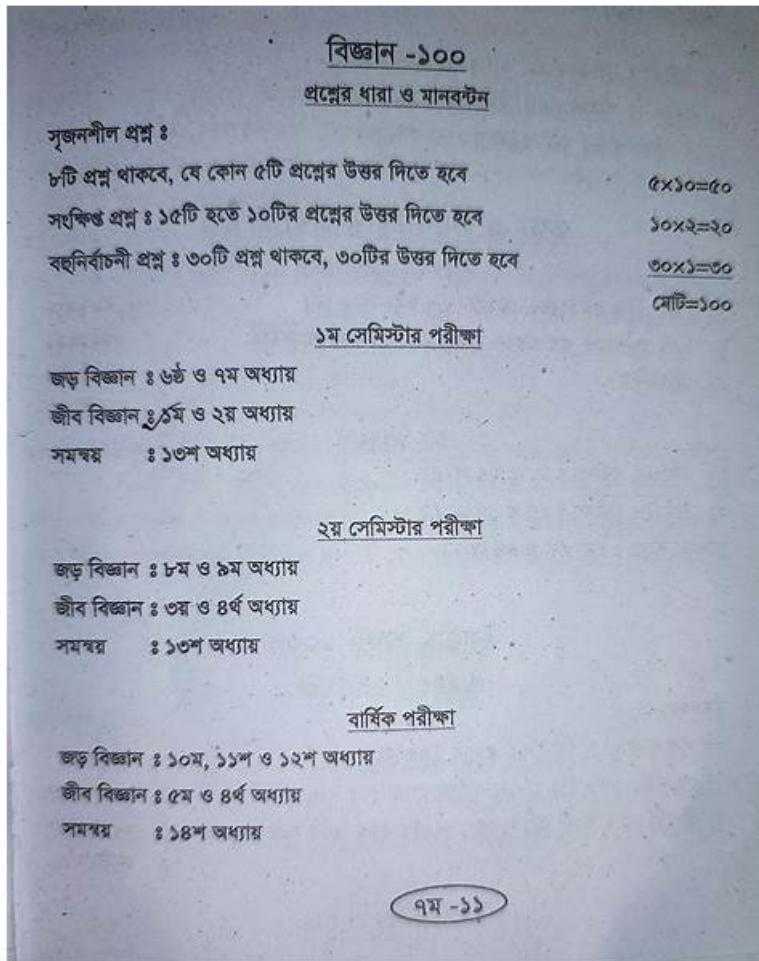


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Microsoft GH-300 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Domain 4: Prompt Crafting and Prompt Engineering This section measures skills of Software Developers and AI Interaction Designers in effectively crafting prompts to optimize Copilot's output. It reviews foundational concepts such as prompt components, the role of language in prompting, zero-shot vs. few-shot prompting, and how chat history influences responses. Best practices and engineering principles for prompt design and training methods are also covered.
Topic 2	<ul style="list-style-type: none">• GitHub Copilot Plans and Feature: This domain targets Product Managers and DevOps Engineers and focuses on understanding the various GitHub Copilot subscription plans like Individual, Business, and Enterprise, including distinctions and management features. It covers how Copilot is integrated into IDEs, different triggering methods for code suggestions, organizational policy management, subscription administration via API, and effective use of Copilot Chat and Knowledge Bases. Candidates also learn about CLI usage and configuration.
Topic 3	<ul style="list-style-type: none">• Responsible :This section of the exam measures skills of AI Ethics Officers and Risk Managers and covers the responsible and ethical usage of AI technologies. It explains the risks and limitations associated with generative AI tools, including biases in training data and the need to validate AI outputs. Candidates learn how to operate AI responsibly by identifying potential harms such as bias, fairness, privacy concerns, and mitigating these harms by applying ethical AI principles.
Topic 4	<ul style="list-style-type: none">• How GitHub Copilot Works and Handles Data: Designed for Machine Learning Engineers and Data Privacy Specialists, this section covers the data lifecycle and processing behind Copilot's code suggestions. It explains how context is gathered, prompts constructed, responses generated, and post-processed through proxy services. Candidates understand Copilot's data policies, handling of inputs, and limitations such as context window size and data age influencing suggestion relevance.
Topic 5	<ul style="list-style-type: none">• Privacy Fundamentals and Context Exclusions: This domain focuses on Security Engineers and Compliance Officers and addresses improving code quality with Copilot's test suggestions and security optimizations. It covers identification of security vulnerabilities, performance enhancements, and privacy features like content exclusions at repository and organization levels with explanation of their limitations. Candidates learn about safeguarding mechanisms such as duplication detection, contractual protections, security checks, and troubleshooting guide for common Copilot issues including context exclusions and suggestion gaps.

Microsoft GitHub Copilot Sample Questions (Q43-Q48):

NEW QUESTION # 43

Which REST API endpoint is used to modify details about a GitHub Copilot Business subscription? (Each correct answer presents part of the solution. Choose two.)

- A. Migrate Copilot seat assignments between GitHub organizations
- B. Remove teams from the Copilot subscription for an organization
- C. Upgrade or downgrade the subscription tier
- D. Reassign Copilot seats based on GitHub repository size
- E. Add teams to the Copilot subscription for an organization

Answer: B,E

Explanation:

The REST API endpoints are used to add and remove teams from the Copilot Business subscription within an organization.

Reference: GitHub Copilot Business API documentation.

NEW QUESTION # 44

How does GitHub Copilot typically handle code suggestions that involve deprecated features or syntax of programming languages?

- A. GitHub Copilot always filters out deprecated elements to promote the use of current standards.
- B. GitHub Copilot rejects all prompts involving deprecated features to avoid compilation errors.
- C. GitHub Copilot automatically updates deprecated features in its suggestions to the latest version.
- D. GitHub Copilot may suggest deprecated syntax or features if they are present in its training data.

Answer: D

Explanation:

"GitHub Copilot may sometimes suggest deprecated code, APIs, or patterns if these appear in its training data. Users are responsible for reviewing and updating the suggestions." This confirms that Copilot does not automatically update or reject deprecated features, but may still suggest them if they were part of training.

References: GitHub Copilot usage limitations documentation.

NEW QUESTION # 45

What are the potential risks associated with relying heavily on code generated from GitHub Copilot? (Each correct answer presents part of the solution. Choose two.)

- A. GitHub Copilot may increase development lead time by providing irrelevant suggestions.
- B. GitHub Copilot may introduce security vulnerabilities by suggesting code with known exploits.
- C. GitHub Copilot's suggestions may not always reflect best practices or the latest coding standards.
- D. GitHub Copilot may decrease developer velocity by requiring too much time in prompt engineering.

Answer: B,C

Explanation:

Heavy reliance on GitHub Copilot can introduce security vulnerabilities if the generated code contains known exploits. Additionally, Copilot's suggestions may not always align with best practices or the latest standards, requiring careful review and validation.

NEW QUESTION # 46

What role does chat history play in GitHub Copilot's code suggestions?

- A. Chat history is irrelevant to GitHub Copilot and does not affect its functionality.
- B. Chat history is stored and shared with other users to enhance collaboration.
- C. Chat history provides context to GitHub Copilot, improving the relevance and accuracy of its code suggestions.
- D. Chat history is used to train the GitHub Copilot model in real-time.

Answer: C

Explanation:

Chat history provides valuable context to GitHub Copilot, helping it generate more relevant and accurate code suggestions based on previous interactions and conversations.

NEW QUESTION # 47

What is the best way to share feedback about GitHub Copilot Chat when using it on GitHub Mobile?

- A. The Settings menu in the GitHub Mobile app.
- B. Use the emojis in the Copilot Chat interface.
- C. The feedback section on the GitHub website.
- D. By tweeting at GitHub's official X (previously known as Twitter) account.

Answer: B

Explanation:

The best way to share feedback on GitHub Mobile is using the emojis in the Copilot Chat interface, which allows for direct and immediate feedback.

NEW QUESTION # 48

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