Achieving seamless integration	1 point
Data privacy and security	
O Difficulty in transitioning from traditional CI to AI-driven CI	
None of the above	
2.Which company utilizes machine learning for autonomous adjustments in various services?  Gmail	1 point
○ IBM	
Balbix Security Cloud	
Juniper Networks	
3.Which tool utilizes GPT to analyze HTTP requests and responses for detecting vulnerabilities?  Sophos Intercept X	1 point
Symantec Endpoint Security	
Splunk User Behavior Analytics	
BurpGPT	
4.What is one major challenge associated with using generative AI in software development?     The potential for bias and inaccuracy in generated outputs.	1 point
The lack of creativity and exploration opportunities.	
The absence of ethical implications.	
The guarantee of privacy and security.	
5.Which of these are examples of successful Al-driven apps?  TikTok and Instagram	1 point
Siri and Alexa	
Netflix and Hulu	
Facebook and Twitter	
6.What is one concern associated with generative AI models in software development?      The potential for spreading false information	1 point
The need for extensive training data	
The requirement to obtain informed consent from users	
The ability to create synthetic vocal recordings	
7. Which of the following is a technique Al-powered code review tools used to analyze source code without executing it and identify potential issues such as coding style violations, unused variables, or memory leaks?	1 point

Al techniques are limited to automating test case generation.

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O Al anal	ysis cannot help prioritize test cases based on software quality.	
	ed techniques enable intelligent test generation and execution of test cases along with apabilities.	
14.Which o	f the following is a technique used by Al-powered code review tools?	1 point
O Automa	ated log analysis	
O Social r	media analysis	
Ocode p	attern analysis	
Static a	nalysis	
15.Which o	f the following is a role played by AI in CI/CD?	1 point
Automa	ated Testing and Quality Assurance	
O Predicti	ive debugging	
O Bias de	etection	
O Manual	Code Review	
16.What are	e some challenges associated with using generative AI in software development?	1 point
Limited	creativity and exploration options	
Potentia	al for bias and inaccuracy in generated outputs	
O Lack of	intellectual property protection	
O Low co	mputational power required for training generative AI models	
		1 point
develop	ment? nd Discrimination	
	utomation	
O lest ca	se generation	
Speed	and efficiency	
18.Which o	f the following is an example of a generative AI model that excels in language translation	1 point
	onal autoencoders (VAEs)	
O Genera	ative adversarial networks (GANs)	
Transfo	ormers	
Reinfor	cement learning algorithms	
		1 point
develop	ment ptimization	
Bias de	etection	
Speed	of code generation	

Hardware limitations			
20. How does Al assists in implementing design patterns in software systems?			
Analyzing code for architectural patterns			
Automating client chat services			
Generating high-level architecture			
Analyzing code for design patterns			

1 point