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Started on	Wednesday, 13 January 2021, 6:00 PM	
State	Finished	
Completed on	Wednesday, 13 January 2021, 6:19 PM	
Time taken	19 mins 14 secs	
Marks	6.67/10.00	
Grade	6.67 out of 10.00 (67 %)	
Question 1		
Correct		
Mark 0.40 out of 0.40		
The role of the hyp	ervisor is to:	
translate and l	limit instructions	•
manage users		
create and ma	anage guest machines	/
encrypt disk		
Your answer is corre	ect.	
The correct answer	s are:	
create and manage	guest machines,	
translate and limit i	instructions	

Question 2	
Incorrect	
Mark 0.00 out of 0.40	
In a cloud environment horizontal scaling means that:	
it can scale infinitely	•
it is compatible with any application architecture	
it requires load balancers	
it modifies existing VMs	×
Your answer is incorrect.	
The correct answers are:	
it can scale infinitely,	
it requires load balancers	
Question 3	
Partially correct	
Mark 0.20 out of 0.40	
Which are two effective measures to improve infrastructure security?	
	•
MFA for the users	×
Reduce the attack surface as much as possible	
MFA for the development team	~
☑ Implement OAuth 2.0	×
Your answer is partially correct.	
You have selected too many options.	
The correct answers are:	
MFA for the development team,	
Reduce the attack surface as much as possible	

13.01.2021	Exam: Attempt review
Question 4	
Correct Mark 0.40 out of 0.40	
Mark 0.40 Out of 0.40	
Which of the following is not an Integration Service for cloud?	
API Gateways	
 publish/subscribe services 	
shared memory	~
workflow services	
queues	
Your answer is correct.	
The correct answer is: shared memory	
shared memory	
Question 5	
Correct	
Mark 0.40 out of 0.40	
Why would be concerned with the API design in the context of the	cloud?
■ Because cloud systems work best with REST APIs	
Because the microservices architecture is adopted more frequence	ently 🗸
 Because SaaS products, which are growing in popularity, usual 	
because saas products, which are growing in popularity, usual	iy olici Ai is
Your answer is correct.	
The correct answers are:	
The correct unswers are.	

Because SaaS products, which are growing in popularity, usually offer APIs,

Because the microservices architecture is adopted more frequently

13.01.2021 Exam: Attempt review Question **6** Correct Mark 0.40 out of 0.40 When choosing cloud services, the price plan can be: Tiered Transaction-based Fixed Dynamic Your answer is correct. The correct answers are: Fixed, Tiered, Dynamic Question **7** Partially correct Mark 0.27 out of 0.40 What characterizes resource-oriented APIs? Select one or more: Fits better for public APIs ☐ The behavior of the system is primarily driven by the data Usually leads to a concise set of operations Usually leads to strong coupling Your answer is partially correct. You have correctly selected 2. The correct answers are: Usually leads to a concise set of operations,

The behavior of the system is primarily driven by the data,

Fits better for public APIs

13.01.2021 Exam: Attempt review Question 8Correct Mark 0.40 out of 0.40 Which of the following is the availability formula used in cloud environments? availability=uptime/(downtime+uptime) availability=uptime/downtime+uptime availability=uptime/downtime availability=uptime/uptime+downtime Your answer is correct. The correct answer is: availability=uptime/(downtime+uptime) Question ${\bf 9}$ Partially correct Mark 0.13 out of 0.40 Which of the following components are not managed by the cloud provider in a Infrastructure as a Service model? Application Operating System Storage Data Networking Your answer is partially correct. You have correctly selected 2.

You have correctly selected 2. The correct answers are: Application,

Data,

Operating System

13.01.2021 Exam: Attempt review Question 10 Correct Mark 0.40 out of 0.40 A resilient system is one that is: self healing self managed adaptive self contained predictable Your answer is correct. The correct answers are: adaptive, self healing, predictable Question 11 Incorrect Mark 0.00 out of 0.40 What is the shared responsibility model? A framework for finding out the optimal security approach A model describing the responsibility within a development team A model describing the responsibility of the cloud provider and the customer with regards to security

A requirement for the ISO 27001 standard

Your answer is incorrect.
The correct answer is:

A model describing the responsibility of the cloud provider and the customer with regards to security

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Question 12 Partially correct Mark 0.20 out of 0.40	
Which of the following are HTTP idempotent methods?	
✓ POST	×
✓ DELETE	✓
□ HEAD	
✓ PUT	✓
✓ GET	✓
Your answer is partially correct.	
You have correctly selected 3.	
The correct answers are:	
GET,	
HEAD,	
DELETE,	
PUT	
Question 13 Correct	
Mark 0.40 out of 0.40	
Why is loose coupling beneficial?	
Facilitates better maintainability and extensibility	✓
Usually makes the system more scalable	
Improves network performance	
We should prefer strong coupling instead	
Your answer is correct.	
The correct answer is:	
Facilitates better maintainability and extensibility	

Question 14 Incorrect Mark 0.00 out of 0.40	
The 12 Factor App is a(n)	
Methodology for building scalable and maintainable software	
Authentication application	
 Framework for building microservices 	×
Your answer is incorrect.	
The correct answer is:	
Methodology for building scalable and maintainable software	
Question 15	
Correct	
Mark 0.40 out of 0.40	
Which of the following are protocols used by the internet?	
OCDE.	•
	•
✓ BGP	~
☑ IP	~
P. DID	
	•
Your answer is correct.	
The correct answers are:	
IP,	
BGP,	
RIP,	
OSPF	

Question 16 Correct Mark 0.40 out of 0.40	
When can a service be considered serverless?	
When you don't have to provision capacity	~
When you don't have to setup any infrastructure	~
When the service can scale down to 0	~
When you pay only for what you use	~
Your answer is correct.	
The correct answers are: When you don't have to setup any infrastructure,	
When you don't have to provision capacity,	
When you pay only for what you use,	
When the service can scale down to 0	
Question 17	
Correct	
Mark 0.40 out of 0.40	
What are CDNs good for?	
optimize costs	~
	~
reduce resources	
improve load times	~
Your answer is correct.	
The correct answers are: improve load times,	
optimize costs,	
improve security	

Question 18	
Partially correct Mark 0.27 out of 0.40	
INIAIR 0.27 OUL 01 0.40	
Which of the following characteristics is improved by designing and building applications in cloud environments?	
☑ Scalability	~
Security Security Cost Efficiency Availability Productivity	•
✓ Control	×
Availability	~
Your answer is partially correct.	
You have selected too many options.	
The correct answers are: Scalability, Security	
Security	
Cost Efficiency	
Availability Productivity,	
Availability	
Question 19	
Correct Mark 0.40 and a f 0.40	
Mark 0.40 out of 0.40	
Why would you consider GraphQL instead of REST?	
Because it has built in introspection	~
☐ Because it is easier to cache	
☐ Because it scales better	
Because we can specify which fields to fetch leading to lower data usage	~
Your answer is correct.	
The correct answers are: Because we can specify which fields to fetch leading to lower data usage,	
Because it has built in introspection	

1.2021	Exam: Attempt review	
Question 20		
Correct		
Mark 0.40 out of 0.40		
Infrastructure security is concerned with:		
 application user 		
cloud user		
operating system user		
database user		
Your answer is correct.		
The correct answer is:		
cloud user		
Question 21		
Incorrect		
Mark 0.00 out of 0.40		
Which is the correct order complexity wise in decreasi	ing order for NoSQL database models?	
graph, document, columnar, key-value		
key-value, document, columnar, graph		
graph, columnar, document, key-value		
Odocument, columnar, key-value, graph		
Your answer is incorrect.		
The correct answer is:		

graph, columnar, document, key-value

13.01.2021 Exam: Attempt review

Question 22
Incorrect
Mark 0.00 out of 0.40

From the kubernetes terminology, we can say that a pod:

can span multiple nodes

is managed by the operating system

runs one or more containers

is the smallest deployment unit

Your answer is incorrect.
The correct answers are:
is the smallest deployment unit,
runs one or more containers

Question 23
Incorrect
Mark 0.00 out of 0.40

Which are some common concerns when working with queues?

The message is lost if there are no consumers

Messages might be out of order

☐ The same message might be delivered multiple times

The consumers might get overloaded

Your answer is incorrect.

The correct answers are:

Messages might be out of order,

The same message might be delivered multiple times

021 Exam: Attempt review	
estion 24	
rect	
rk 0.40 out of 0.40	
Which is the optimal approach for the least privilege principle when admin rights are required?	
Leverage features that enable just-in-time privileges	
Relax the security policies when needed	
Enable MFA	
Create a dedicated admin user used only when needed	
our answer is correct.	
he correct answer is:	
everage features that enable just-in-time privileges	
estion 25	
rect	
k 0.40 out of 0.40	
Why are serverless databases usually NoSQL?	
B. N. COLLINIA III. III. III. III. III. III. III.	
Because NoSQL databases usually scale better	
Because NoSQL databases are simpler (e.g. no ACID)	
☐ Due to licensing limitations of SQL databases	
Because data is non-relational in most cases anyway	
our answer is correct.	
he correct answers are:	
ecause NoSQL databases usually scale better, Because NoSQL databases are simpler (e.g. no ACID)	
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