



Home > My courses > PROG. IK REGULAR > REG - Genap 2020/2021 > [Reg] Jaringan Komputer Genap 2020-2021 > 4. Network Layer: Data Plane > Kuis 4 - Network Layer:

Data Plane

Started on	Thursday, 8 April 2021, 11:10 AM
State	Finished
Completed on	Thursday, 8 April 2021, 12:00 PM
Time taken	49 mins 15 secs
Marks	13.00/20.00
Grade	65.00 out of 100.00

Question 1

Incorrect

Mark 0.00 out of 1.00

In NAT router, the interface on the LAN side has a private IP address while the interface on the WAN side has a public IP because the NAT router uses a translation table to save private-to-public IP address translation.

Select one:

- ☒ a. The statement is correct, the reason is correct and both of them have causal relation ✗
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☐ d. The statement is wrong, and the reason is correct
- ☐ e. Both of them is wrong

Your answer is incorrect.

The correct answer is: The statement is correct, the reason is correct but both of them don't have causal relation

Question 2

Incorrect

Mark 0.00 out of 1.00

DHCP is a network layer protocol that provides a dynamic assignment of IP address because DHCP is encapsulated in UDP segment not in TCP segment.

Select one:

- ☐ a. The statement is correct, the reason is correct and both of them have causal relation
- ☒ b. The statement is correct, the reason is correct but both of them don't have causal relation ✗
- ☐ c. The statement is correct, and the reason is wrong
- ☐ d. The statement is wrong, and the reason is correct
- ☐ e. Both of them is wrong

Your answer is incorrect.

The correct answer is: The statement is wrong, and the reason is correct

Question 3

Correct

Mark 1.00 out of 1.00

IPv4 address has 4 bytes length while IPv6 address has 6 bytes length because IPv6 also has 6 bytes header.

Select one:

- ☐ a. The statement is correct, the reason is correct and both of them have causal relation
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☐ d. The statement is wrong, and the reason is correct
- ☒ e. Both of them is wrong ✓

Your answer is correct.

The correct answer is: Both of them is wrong

Question 4

Correct

Mark 1.00 out of 1.00

You can accommodate 32 hosts by using 5 host bits because 2^5 is 32.

Select one:

- ☐ a. The statement is correct, the reason is correct and both of them have causal relation
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☒ d. The statement is wrong, and the reason is correct ✓
- ☐ e. Both of them is wrong

Your answer is correct.

The correct answer is: The statement is wrong, and the reason is correct

Question 5

Correct

Mark 1.00 out of 1.00

Two hosts in the different subnet have different subnet masks because they have a different network address

Select one:

- ☐ a. The statement is correct, the reason is correct and both of them have causal relation
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☒ d. The statement is wrong, and the reason is correct ✓
- ☐ e. Both of them is wrong

Your answer is correct.

The correct answer is: The statement is wrong, and the reason is correct

Question 6

Incorrect

Mark 0.00 out of 1.00

A Fragmentation is conducted to divide an IP datagram into several fragments because the receiving host asks to do the fragmentation

Select one:

- ☒ a. The statement is correct, the reason is correct and both of them have causal relation ✖
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☐ d. The statement is wrong, and the reason is correct
- ☐ e. Both of them is wrong

Your answer is incorrect.

The correct answer is: The statement is correct, and the reason is wrong

Question 7

Incorrect

Mark 0.00 out of 1.00

DHCP discover is sent to broadcast address while DHCP request is sent to server IP address because in DHCP discover state, the client does not know the server IP address.

Select one:

- ☒ a. The statement is correct, the reason is correct and both of them have causal relation ✖
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☐ d. The statement is wrong, and the reason is correct
- ☐ e. Both of them is wrong

Your answer is incorrect.

The correct answer is: The statement is wrong, and the reason is correct

Question 8

Incorrect

Mark 0.00 out of 1.00

In VLSM subnetting, each subnet may have a different (unique) subnet mask because the subnet mask is determined based on each subnet address.

Select one:

- ☒ a. The statement is correct, the reason is correct and both of them have causal relation ✖
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☐ d. The statement is wrong, and the reason is correct
- ☐ e. Both of them is wrong

Your answer is incorrect.

The correct answer is: The statement is correct, and the reason is wrong

Question 9

Incorrect

Mark 0.00 out of 1.00

Software-defined network (SDN) offers mode generalized forwarding table called flow table because, in SDN the routing is conducted by a remote server (controller) instead of per-router.

Select one:

- ☒ a. The statement is correct, the reason is correct and both of them have causal relation ✖
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☐ d. The statement is wrong, and the reason is correct
- ☐ e. Both of them is wrong

Your answer is incorrect.

The correct answer is: The statement is correct, the reason is correct but both of them don't have causal relation

Question 10

Incorrect

Mark 0.00 out of 1.00

Routing is the task in the control plane while forwarding is the task in the data plane because the routing implements routing protocol while forwarding does not.

Select one:

- ☒ a. The statement is correct, the reason is correct and both of them have causal relation ✖
- ☐ b. The statement is correct, the reason is correct but both of them don't have causal relation
- ☐ c. The statement is correct, and the reason is wrong
- ☐ d. The statement is wrong, and the reason is correct
- ☐ e. Both of them is wrong

Your answer is incorrect.

The correct answer is: The statement is correct, the reason is correct but both of them don't have causal relation

Question 11

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 11?

Answer: 169



The correct answer is: 169

Question 12

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 13?

Answer: 158



The correct answer is: 158

Question 13

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 5?

Answer: 128



The correct answer is: 128

Question 14

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 3?

Answer: 30



The correct answer is: 30

Question 15

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 9?

Answer: 129



The correct answer is: 129

Question 16

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 14?

Answer: 126



The correct answer is: 126

Question 17

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 10?

Answer: 1



The correct answer is: 1

Question 18

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 161?

Answer: 166



The correct answer is: 166

Question 19

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 12?

Answer: 161



The correct answer is: 161

Question 20

Correct

Mark 1.00 out of 1.00

Given network address = 204.15.5.0/24. Subnet the network in order to create the network with the host requirements: A:29 hosts, B:100 hosts, C:2 hosts, D:6 hosts.

Subnet	Subnet Mask	Subnet Address	First Host Address Available	Last Host Address Available
A	/.....(1)	204.15.5.....(5)	204.15.5.....(9)	204.15.5.....(13)
B	/.....(2)	204.15.5.....(6)	204.15.5.....(10)	204.15.5.....(14)
C	/.....(3)	204.15.5.....(7)	204.15.5.....(11)	204.15.5.....(15)
D	/.....(4)	204.15.5.....(8)	204.15.5.....(12)	204.15.5.....(16)

What is the correct answer for blank number 4?

Answer: 29



The correct answer is: 29