

1. If you need to make sure that one computer in your HotSpot network can access the Internet without HotSpot authentication, which menu allows you to do this?

- a. Users
- b. IP bindings
- c. Walled-garden**
- d. Walled-garden IP

2. How many different priorities can be selected for queues in MikroTik RouterOS?

- a. 8**
- b. 16
- c. 0
- d. 1

3. Which default route will be active? /ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=1.1.1.1 add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=2.2.2.2

- a. Route via gateway 1.1.1.1
- b. Route via gateway 2.2.2.2**

4. How long is level 1 (demo) license valid?

- a. 24 hours**
- b. Infinite time
- c. 1 month
- d. 1 year

5. Is ARP used in the IPv6 protocol ?

- True
- False**

6. In MikroTik RouterOS, Layer-3 communication between 2 hosts can be achieved by using an address subnet of:

- a. /30**
- b. /29**
- c. /32**
- d. /31

7. A PC with IP 192.168.1.2 can access internet, and static ARP has been set for that IP address on gateway. When the PC Ethernet card failed, the user change it with a new card and set the same IP for it. What else should be done? [multiple answers]

- a. Old static ARP entry on gateway has to be updated for the new card**
- b. Nothing – it will work as before
- c. MAC-address of the new card has to be changed to MAC address of old card**
- d. Another IP has to be added for Internet access

8. How many usable IP addresses are there in a 20-bit subnet?

- a. 2047
- b. 4096
- c. 2048
- d. 2046
- e. 4094**

9. What is the default TTL (time to live) on a router that an IP packet can experience before it will be discarded ?

- a. 60
- b. 30
- c. 1
- d. 64**

10. The network address is

- a. The first usable address of the subnet
- b. The last address of the subnet
- c. The first address of the subnet**

11. Which ones of the following are valid IP addresses? [multiple answers]

- a. 192.168.13.255**
- b. 1.27.14.254**
- c. 10.10.14.0**
- d. 192.168.256.1

12. Which of the following is NOT a valid MAC Address?

- a. 95:B5:DD:EE:78:8A
- b. 13:16:86:53:89:43
- c. 80:GF:AA:67:13:5D**
- d. 88:0C:00:99:5F:EF
- e. EA:BA:AA:EE:FF:CB

13. If ARP=reply-only is configured on an interface, what will this interface do

- a. Add new IP addresses in /ip arp list
- b. Accept all IP/MAC combinations listed in /ip arp as static entries**
- c. Accept all MAC-addresses listed in /ip arp as static entries
- d. Add new MAC addresses in /ip arp list
- e. Accept all IP addresses listed in /ip arp as static entries

14. What is term for the hardware coded address found on an interface?

- a. IP Address
- b. Interface Address
- c. MAC Address**
- d. FQDN Address

15. Which of the following IP addresses are publicly routable?

- a. 127.34.155.3
- b. 192.168.1.4
- c. 172.16.13.23
- d. 11.3.10.4**

16. What protocol does ping use?

- a. UDP
- b. TCP
- c. ARP
- d. ICMP**

17. MAC layer by OSI model is also known as

- a. Layer 3
- b. Layer 7
- c. Layer 2**
- d. Layer 6
- e. Layer 1

18. How many layers does Open Systems Interconnection model have?

- a. 12
- b. 6
- c. 9
- d. 5
- e. 7**

19. How many IP addresses can one find in the header of an IP packet?

- a. 3
- b. 4
- c. 1
- d. 2**

20. The basic unit of a physical network (OSI Layer 1) is the:

- a. Byte
- b. Frame
- c. Bit**
- d. Header