Question **1**Incorrect
Mark 0.00 out of 1.00

Flag question

Pornind de la adresa de retea: 192.168.10.0/24 s-au obtinut 4 subretele folosind subnetarea statica.

Determinati cea de-a 54-a adresa IP disponibila pentru dispozitive din cea de-a 3-a subretea si adresa de broadcast pentru cea de-a 3-a subretea.

×

Select one:

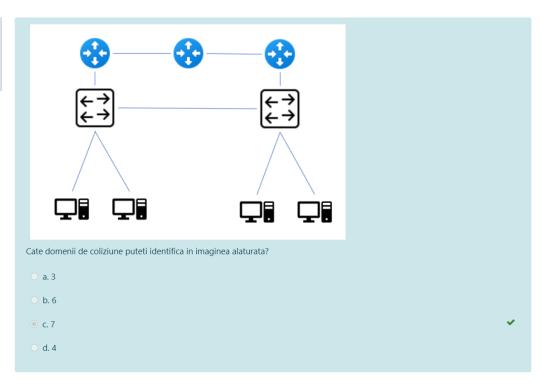
- a. 192.168.10.181/26, 192.168.10.191/26
- O b. 192.168.10.181/26, 192.168.10.192/26
- c. 192.168.10.182/26, 192.168.10.191/26
- Od. 192.168.10.183/26, 192.168.10.191/26
- o e. 192.168.10.182/26, 192.168.10.190/26

Your answer is incorrect.

The correct answer is: 192.168.10.182/26, 192.168.10.191/26

Question **2**Correct
Mark 1.00 out of 1.00

Flag question

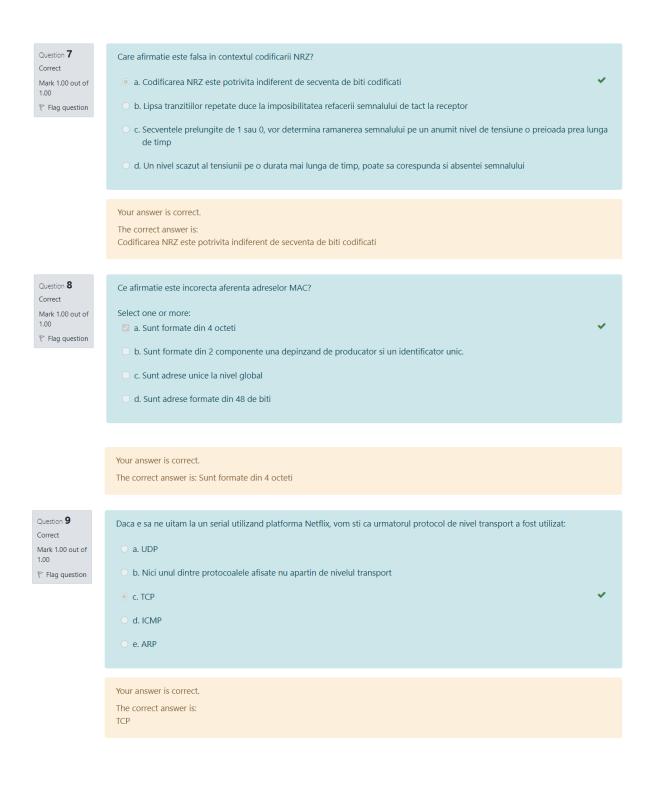


Your answer is correct.

The correct answer is:

7

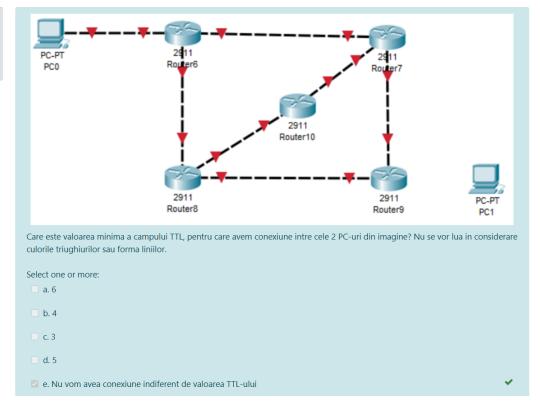
Question 3 Care este adresa ultimului host din reteaua 172.28.164.0/23? Incorrect a. 172.28.165.255 Mark 0.00 out of o b. 172.28.165.254 $\operatorname{\mathbb{r}}$ Flag question o c. 172.28.164.254 od. 172.28.164.255 e. 172.28.166.254 Your answer is incorrect. The correct answer is: 172.28.165.254 Question ${f 4}$ Este adevarat ca adresele fizice se shimba la trecerea dintr-o retea in alta la un transfer de date? Correct Mark 1.00 out of Select one: ● True ✔ ▼ Flag question False The correct answer is 'True'. Question **5** Care din urmatoarele afirmatii nu este adevarata referindu-ne la protocolul TCP : Correct Mark 1.00 out of a. Are un antet cu un numar ridicat de biti, comparativ cu UDP-ul 1.00 b. Contine un camp de checksum $\operatorname{\mathbb{F}}$ Flag question c. Asigura livrarea detelor la destinatie od. Nu contine in antetul un camp denumit Window Size Your answer is correct. The correct answer is: Nu contine in antetul un camp denumit Window Size Question 6 Daca discutam de portul 67, utilizat in general de BOOTP sau DHCP, acesta face parte din categoria: Correct Mark 1.00 out of Select one: ▼ Flag question a. porturi utilizabile b. porturi bine cunoscute ("well-known" ports) oc. porturi dinamice od. porturi rezervate Your answer is correct. The correct answer is: porturi bine cunoscute ("well-known" ports)



Question $\bf{10}$ Daca am purta o conversatie video intre 2 persoane, utilizand aplicatia Whats-up, ce tip de comunicatie am folosi? Correct Mark 1.00 out of Select one: oa. Broadcast ₹ Flag question b. Full-duplex oc. Topologie stea od. Simplex e. Multicast The correct answer is: Full-duplex Question 11 Nivelul Aplicatie de la mdelul TCP/IP este echivalent ca cate nivele din modelul OSI? Correct O a. 4 Mark 1.00 out of 1.00 b. 3 ▼ Flag question O c. 1 O d. 2 e. 5 The correct answer is: 3 Question 12 Evaluati urmatoarea afirmatie. "Un router conecteaza echipamente din aceeasi retea." Mark 1.00 out of Select one: 1.00 O True ♥ Flag question ■ False The correct answer is 'False'. Question 13 In cazul unui ruter WiFi, care dintre urmatoarele afirmatii NU este corecta : Correct Mark 1.00 out of Select one or more: 1.00 a. Nu permite adaugarea unui SSID cu nume propriu $\ensuremath{\mathbb{F}}$ Flag question b. Permite conectarea mai multor dispozitive pe benzi de frecventa diferite (2,4GHz sau 5GHz) c. Permite posibilitatea controlului parental d. Este un punct de acces in retea Your answer is correct. The correct answer is: Nu permite adaugarea unui SSID cu nume propriu

Question **14**Correct
Mark 1.00 out of 1.00

Flag question



Your answer is correct.

The correct answer is: Nu vom avea conexiune indiferent de valoarea TTL-ului

Question **15**Correct
Mark 1.00 out of 1.00

Friag question

Cât durează transmisia unui bit pe o legătură cu rata de transfer 5 Mbps?	
○ a. 0,2 ms	
O b. 0,02 μs	
o c. Nici o varianta nu este corecta	
d. 0,2 μs	~
e. 0,02 ms	

Your answer is correct.

The correct answer is:

0,2 μs

Your answer is correct.

The correct answer is: Nu vom avea conexiune indiferent de valoarea TTL-ului

Question 15 Correct

Mark 1.00 out of

1.00 ▼ Flag question Cât durează transmisia unui bit pe o legătură cu rata de transfer 5 Mbps?

- a. 0,2 ms
- O b. 0,02 μs
- o c. Nici o varianta nu este corecta
- d. 0,2 μs
- o e. 0,02 ms

Your answer is correct.

The correct answer is:

0,2 μs

Question 16 Correct Mark 1.00 out of 1.00

 $\operatorname{\mathbb{P}}$ Flag question

Care dintre urmatoarele afirmatii referitoare la comanda "traceroute" este corecta?

- a. Se poate folosi doar daca cunoastem adresa IP de destinatie.
- b. Este o comanda ce verifica daca o adresa IP este accesibila sau nu, fara alte detalii.
- c. Se va afisa doar timpul de ajungere la destinatie, fara parcursul inapoi la sursa.
- d. Se vor transmite maxim 4 pachete de cate 32 bytes.
- e. Nici o varianta nu este corecta.

Your answer is correct.

The correct answer is:

Nici o varianta nu este corecta.

Question 17 Correct Mark 1.00 out of 1.00

♥ Flag question

Folosind imaginea de mai jos, calculati dimensiunea antetelor in bytes:

No.	Time	Source	Destination	Protocol Length	Info
	1843 17.568458	131.228.2.174	192.168.5.136	TCP	54 443 → 60012 [ACK] Seq=3264 Ack=22
Ш	1844 17.569430	131.228.2.174	192.168.5.136	TLSv1.2	139 Encrypted Handshake Message
Ш	1845 17.570542	192.168.5.136	131.228.2.174	TLSv1.2	331 Encrypted Handshake Message
Ш	1847 17.647856	131.228.2.174	192.168.5.136	TCP	1506 443 → 60012 [ACK] Seq=3349 Ack=34
Ш	1848 17.647857	131.228.2.174	192.168.5.136	TCP	1506 443 → 60012 [ACK] Seq=4801 Ack=34
Ш	1849 17.647858	131.228.2.174	192.168.5.136	TLSv1.2	435 Encrypted Handshake Message
Ш	1850 17.648004	192.168.5.136	131.228.2.174	TCP	54 60012 -> 443 [ACK] Seq=3407 Ack=66
Ш	1851 17.652866	192.168.5.136	131.228.2.174	TCP	1506 60012 + 443 [ACK] Seq=3407 Ack=66
Ш	1852 17.652868	192.168.5.136	131.228.2.174	TCP	1506 60012 + 443 [ACK] Seq=4859 Ack=66
Ш	1853 17.652869	192.168.5.136	131.228.2.174	TLSv1.2	381 Encrypted Handshake Message, Char
Ш	1855 17.704980	131.228.2.174	192.168.5.136	TCP	54 443 → 60012 [ACK] Seq=6634 Ack=66
Ш	1856 17.708728	131.228.2.174	192.168.5.136	TLSv1.2	240 Change Cipher Spec, Encrypted Har
+	1857 17.725347	131.228.2.174	192.168.5.136	TCP	1506 443 → 60012 [ACK] Seq=6820 Ack=66
+	1858 17.725348	131.228.2.174	192.168.5.136	TCP	1506 443 → 60012 [ACK] Seq=8272 Ack=66
+	1859 17.725348	131.228.2.174	192.168.5.136	TCP	1506 443 → 60012 [ACK] Seq=9724 Ack=66
+	1860 17.725350	131.228.2.174	192.168.5.136	TLSv1.2	151 Application Data
	1861 17.725533	192.168.5.136	131.228.2.174	TCP	54 60012 → 443 [ACK] Seq=6638 Ack=11
	1862 17.730684	192.168.5.136	131.228.2.174	TCP	54 60012 -> 443 [FIN, ACK] Seq=6638 A
	1863 17.779847	131.228.2.174	192.168.5.136	TCP	54 443 → 60012 [FIN, ACK] Seq=11273
L	1864 17.779955	192.168.5.136	131.228.2.174	TCP	54 60012 → 443 [ACK] Seq=6639 Ack=11
	1866 18.556869	192.168.5.136	3.235.72.198	TLSv1.2	89 Application Data
	1868 18.702760	3.235.72.198	192.168.5.136	TLSv1.2	85 Application Data
	1869 18.743607	192.168.5.136	3.235.72.198	TCP	54 59271 → 443 [ACK] Seq=36 Ack=32 V
	1880 19.543118	192.168.5.136	51.116.239.161	TLSv1.2	89 Application Data
	1001 10 505430	F1 11C 220 1C1	102 100 5 130	TICHA A	OF Assissation Date

```
Frame 1860: 151 bytes on wire (1208 bits), 151 bytes captured (1208 bits) on interface \Device\NPF_{D028A9F5-FF25-4AED-8C34-E63D4A
  Ethernet II, Src: TendaTec_30:47:d0 (50:0f:f5:30:47:d0), Dst: IntelCor_a0:86:b0 (44:03:2c:a0:86:b0)
> Internet Protocol Version 4, Src: 131.228.2.174, Dst: 192.168.5.136
Transmission Control Protocol, Src Port: 443, Dst Port: 60012, Seq: 11176, Ack: 6638, Len: 97
     Source Port: 443
     Destination Port: 60012
     [Stream index: 15]
     [TCP Segment Len: 97]
      Sequence number: 11176
                               (relative sequence number)
     Sequence number (raw): 513903648
     [Next sequence number: 11273 (relative sequence number)]
Acknowledgment number: 6638 (relative ack number)
     Acknowledgment number (raw): 2556353596
     0101 .... = Header Length: 20 bytes (5)
   > Flags: 0x018 (PSH, ACK)
     Window size value: 516
     [Calculated window size: 132096]
     [Window size scaling factor: 256]
     Checksum: 0xea24 [unverified]
     [Checksum Status: Unverified]
     Urgent pointer: 0
   > [SEQ/ACK analysis]
   > [Timestamps]
     TCP payload (97 bytes)
     TCP segment data (97 bytes)
> [4 Reassembled TCP Segments (4453 bytes): #1857(1452), #1858(1452), #1859(1452), #1860(97)]
a. 54
o b. 89
O c. 46
d. 143
```

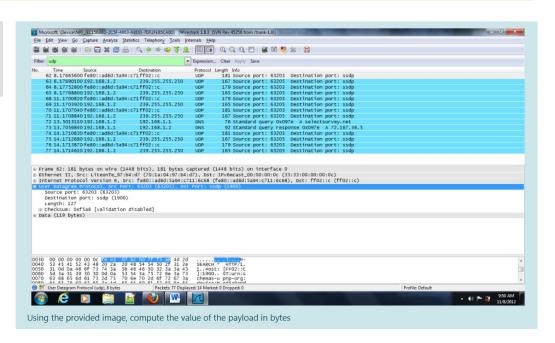
Your answer is correct.

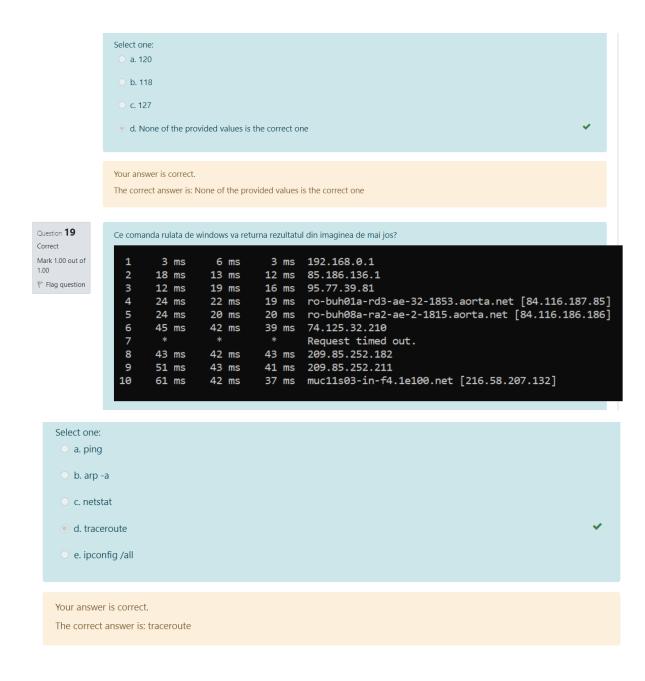
The correct answer is:

54

```
Question 18
Correct
Mark 1.00 out of 1.00

F Flag question
```





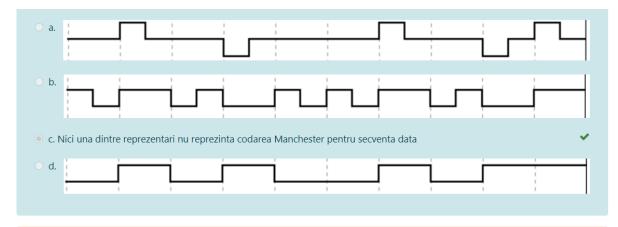
Question **20**Correct
Mark 1.00 out of 1.00

Flag question

Care din urmatoarele reprezentari este forma de unda pentru secventa binara 01000101, codata 4b/5b si transmisa sub forma Manchester? Liniile punctate reprezinta "granitele" unui bit.

Tabelul de codare 4b/5b este:

Data		4B5B code	Data		4B5B code
(Hex)	(Binary)	4656 Code	(Hex)	(Binary)	4656 code
0	0000	11110	8	1000	10010
1	0001	01001	9	1001	10011
2	0010	10100	Α	1010	10110
3	0011	10101	В	1011	10111
4	0100	01010	С	1100	11010
5	0101	01011	D	1101	11011
6	0110	01110	Е	1110	11100
7	0111	01111	F	1111	11101



Your answer is correct.

The correct answer is:

Nici una dintre reprezentari nu reprezinta codarea Manchester pentru secventa data

Question **21**Correct
Mark 1.00 out of 1.00

Flag question

Ce se intampla cand mai multe dispozitive incearca sa transmita in acelasi timp?

- o a. Are loc o coliziune, iar dispozitivele vor reincepe transmisia dupa un timp aleator
- O b. Se creaza o coliziune, dispozitivele se vor opri din a transmite, si vor reincepe transmisia simultan
- \bigcirc c. Are loc o cloziune, iar dispozitivele vor reincepe transmisia in functie de prioritatea configurata
- od. Este imposibil in modul half-duplex

Your answer is correct.

The correct answer is:

Are loc o coliziune, iar dispozitivele vor reincepe transmisia dupa un timp aleator

Question 22 Care este traseul utilizat pentru transferul datelor intre cele 2 PC-uri, consideran OSPF ca protocol de rutare. Costurile legaturilor Correct sunt trecute langa elementele aferente. Mark 1.00 out of 1.00 15 $\begin{tabular}{l} \Bbb F & Flag question \end{tabular}$ 30 40 10 20 a. R1-R4-R6 O b. Propocolul OSPF nu poate fi folosit in aceasta structura o. R1-R4-R5-R6 od. R1-R2-R3-R6 Your answer is correct. The correct answer is: R1-R2-R3-R6 Question 23 In cadrul modelului TCP/IP, la ce nivel se afla DHCP-ul ? Correct Select one: Mark 1.00 out of 1.00 a. Internet $\operatorname{\mathbb{F}}$ Flag question o b. Aplicații oc. Acces retea Od. Transport Răspunsul dumneavoastră este corect. The correct answer is: Aplicaţii Question 24 Din ce retea face parte adresa de IP 172.28.144.59/23? Correct Mark 1.00 out of 1.00 a. 172.28.144.0 ▼ Flag question O b. 172.28.143.1 oc. 172.28.143.0 od. 172.28.144.64 e. 172.28.144.1

Your answer is correct.
The correct answer is:

172.28.144.0

Question **25**Incorrect
Mark 0.00 out of 1.00

Flag question



Your answer is incorrect.

The correct answer is:

336

Question **26**Correct
Mark 1.00 out of 1.00

F Flag question

Nivelul Retea din stiva OSI are functiile mapate pe care nivel din stiva TCP/IP?

Select one:

a. Prezentare

b. Internet

c. Aplicatii

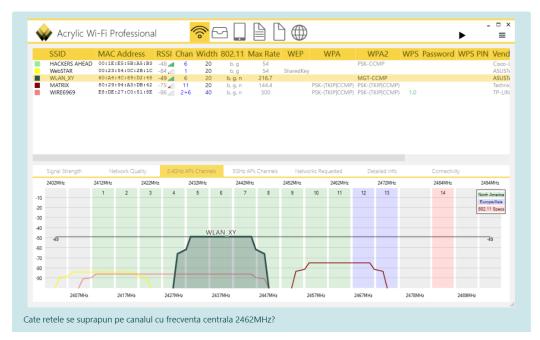
od. Sesiune

e. Tranport

Your answer is correct.

The correct answer is: Internet





Select one or more:

a. Nu exista nici o retea centrata pe acea frecventa

b. 2

c. 3

d. 4

Your answer is correct.

The correct answer is: Nu exista suprapuneri pe acea frecventa fiind o singura retea

e. Nu exista suprapuneri pe acea frecventa fiind o singura retea

Question 28 Care dintre urmatoarele campuri se regaseste in antetul UDP? Correct oa. Window size Mark 1.00 out of b. Control field $\operatorname{\mathbb{r}}$ Flag question oc. Acknowledgement number od. Sequence number e. Source port number Your answer is correct. The correct answer is: Source port number Question 29 Daca ne referim la comanda ping putem spune ca: Correct Mark 1.00 out of 1.00 a. Toate variantele sunt corecte. O b. In OS Windows vor fi trimisi 4 pacheti fiecare de cate 32 octeti. ▼ Flag question O c. Scopul comenzii este sa verifice daca exista conexiune la nivel Internet cu dispozitivul destinatie. Od. Poate intoarce mesajul "request time out". e. Ne arata timpul necesar pentru un pachet sa ajunga pana la destinatie si sa se intoarca. The correct answer is: Toate variantele sunt corecte. Question 30 Care din urmatoarele afirmatii este incorecta daca ne referim la modul de operare al CSMA/CD? Correct a. Fiecare statie "asculta" daca mediul este sau nu liber Mark 1.00 out of 1.00 o b. La detectia unei coliziuni, statia afectata retransmite imediat mesajul $\operatorname{\mathbb{P}}$ Flag question oc. In timpul transmisiei, statiile "asculta" mediul pentru a detecta eventuale coliziuni od. La detectia unei coliziuni se transmite un semnal de "bruiaj" cu lungimea de 32 biti e. Orice statie ce a detectat mediul liber va transmite imediat Your answer is correct. La detectia unei coliziuni, statia afectata retransmite imediat mesajul