R1

conf t

int f0/0

no shut

ip address 192.1.1.1 255.255.255.0

int f1/0

no shut

ip address 192.1.3.1 255.255.255.0

int f0/1

no shut

ip address 192.1.2.1 255.255.255.252

int Lo0

ip address 192.1.10.1 255.255.255.0

router bgp 201

neighbor 192.1.2.2 remote-as 201

neighbor 192.1.3.3 remote-as 201

neighbor 192.1.1.5 remote-as 301

network 192.1.2.0 mask 255.255.255.252

network 192.1.3.0 mask 255.255.255.0

network 192.1.10.0 mask 255.255.255.0

end

write

R2

conf t

int f0/0

no shut

ip address 192.1.2.2 255.255.255.252

int f0/1

no shut

ip address 192.1.4.2 255.255.255.0

int f1/0

no shut

ip address 192.0.1.2 255.255.255.0

int Lo0

ip address 192.1.20.2 255.255.255.0

router bgp 201

neighbor 192.1.2.1 remote-as 201

neighbor 192.1.4.3 remote-as 201

neighbor 192.0.1.100 remote-as 100

network 192.1.2.0 mask 255.255.255.252

network 192.1.4.0 mask 255.255.255.0

network 192.1.20.0 mask 255.255.255.0

end

write

R3

conf t

int f0/0

no shut

ip address 192.1.3.3 255.255.255.0

int f0/1

no shut

ip address 192.1.4.3 255.255.255.0

router bgp 201

neighbor 192.1.3.1 remote-as 201

neighbor 192.1.4.2 remote-as 201

network 192.1.3.0 mask 255.255.255.0

network 192.1.4.0 mask 255.255.255.0

end

write

R4

conf t

int f0/0

no shut

ip address 192.0.2.100 255.255.255.0

int f0/1

no shut

ip address 192.0.1.100 255.255.255.0

int Lo1

ip address 192.0.100.4 255.255.255.128

int Lo2

ip address 192.0.100.132 255.255.255.128

router bgp 100

neighbor 192.0.1.2 remote-as 201

neighbor 192.0.2.5 remote-as 301

network 192.0.100.0 mask 255.255.255.128

network 192.0.100.128 mask 255.255.255.128

end

write

R5

conf t

int f0/0

no shut

ip address 192.1.1.5 255.255.255.0

int f0/1

no shut

ip address 192.0.2.5 255.255.255.0

int Lo1

ip address 192.1.100.5 255.255.255.0

int Lo2

ip address 192.1.101.5 255.255.255.0

router bgp 301

neighbor 192.1.1.1 remote-as 201

neighbor 192.0.2.100 remote-as 100

network 192.1.100.0 mask 255.255.255.0

network 192.1.101.0 mask 255.255.255.0

end

write

**Questão 3**

R1

conf t

router bgp 201

neighbor 192.1.2.2 next-hop-self

neighbor 192.1.3.3 next-hop-self

end

write

R2

conf t

router bgp 201

neighbor 192.1.2.1 next-hop-self

neighbor 192.1.4.3 next-hop-self

end

write

R3

conf t

router bgp 201

neighbor 192.1.3.1 next-hop-self

neighbor 192.1.4.2 next-hop-self

end

write

**Questão 4**

R1

conf t

router bgp 201

no network 192.1.2.0 mask 255.255.255.252

no network 192.1.3.0 mask 255.255.255.0

no network 192.1.10.0 mask 255.255.255.0

int f0/1

ip ospf 100 area 0

int f1/0

ip ospf 100 area 0

int Lo0

ip ospf 100 area 0

router ospf 100

redistribute bgp 201

end

write

R2

conf t

router bgp 201

no network 192.1.2.0 mask 255.255.255.252

no network 192.1.4.0 mask 255.255.255.0

no network 192.1.20.0 mask 255.255.255.0

int f0/1

ip ospf 100 area 0

int f0/0

ip ospf 100 area 0

int Lo0

ip ospf 100 area 0

router ospf 100

redistribute bgp 201

end

write

R3

conf t

no router bgp 201

int f0/0

ip ospf 100 area 0

int f0/1

ip ospf 100 area 0

end

write

**Questão 5**

R1

conf t

router ospf 100

no redistribute bgp 201

redistribute bgp 201 subnets

end

write

R2

conf t

router ospf 100

no redistribute bgp 201

redistribute bgp 201 subnets

end

write

**Questão 6**

R1

conf t

router bgp 201

redistribute ospf 100

end

write

R2

conf t

router bgp 201

redistribute ospf 100

end

write

**Questão 8**

R1

conf t

router bgp 201

no neighbor 192.1.2.2 remote-as 201

neighbor 192.1.20.2 remote-as 201

neighbor 192.1.20.2 next-hop-self

neighbor 192.1.20.2 update-source Lo0

end

write

R2

conf t

router bgp 201

no neighbor 192.1.2.1 remote-as 201

neighbor 192.1.10.1 remote-as 201

neighbor 192.1.10.1 next-hop-self

neighbor 192.1.10.1 update-source Lo0

end

write

**Questão 9**

R1

conf t

ip as-path access-list 1 permit ^$

route-map routes-out

match as-path 1

router bgp 201

neighbor 192.1.1.5 route-map routes-out out

end

write~

R2

conf t

ip as-path access-list 1 permit ^$

route-map routes-out

match as-path 1

router bgp 201

neighbor 192.0.1.100 route-map routes-out out

end

write

**Questões 10 e 11**

R1

conf t

ip bgp-community new-format

ip community-list 1 permit 301:1

ip community-list 2 permit 301:2

route-map routes-in permit 10

match community 1

set local-preference 111

route-map routes-in permit 20

match community 2

set local-preference 2

router bgp 201

neighbor 192.1.1.5 route-map routes-in in

end

write

R5

conf t

ip bgp-community new-format

route-map routesA-out permit 10

match route-type local

set community 301:1

route-map routesA-out permit 20

match route-type external

set community 301:2

router bgp 301

neighbor 192.1.1.1 route-map routesA-out out

neighbor 192.1.1.1 send-community

end

write

clear ip bgp \*

**Questões 12 e 13**

R1

conf t

router ospf 100

no redistribute bgp 201 subnets

default-information originate always metric 5

router bgp 201

bgp default local-preference 200

end

write

R2

conf t

router ospf 100

no redistribute bgp 201 subnets

default-information originate always metric 10

router bgp 201

bgp default local-preference 100

end

write

**Questão 14**

R1

conf t

interface Tunnel 0

ip address 10.0.0.1 255.255.255.252

tunnel source 192.1.10.1

tunnel destination 192.1.20.2

tunnel mode ipip

router bgp 201

no neighbor 192.1.20.2 remote-as 201

neighbor 10.0.0.2 remote-as 201

neighbor 10.0.0.2 next-hop-self

end

write

R2

conf t

interface Tunnel 0

ip address 10.0.0.2 255.255.255.252

tunnel source 192.1.20.2

tunnel destination 192.1.10.1

tunnel mode ipip

router bgp 201

no neighbor 192.1.10.1 remote-as 201

neighbor 10.0.0.1 remote-as 201

neighbor 10.0.0.1 next-hop-self

end

write