

Practical 4:

1)OSPF:

```
Router#config t
Router0(config)#router ospf 200
Router0(config-router)#network 10.0.0.0 0.255.255.255 area 0
Router0(config-router)#network 192.168.1.0 0.0.0.255 area 0.0.0.0
Router0(config-router)#exit
```

```
Router1(config)#router ospf 200
Router1(config-router)#network 20.0.0.0 0.255.255.255 area 0
Router1(config-router)#network 192.168.1.0 0.0.0.255 area 0
Router1(config-router)#network 150.150.150.0 0.0.0.255 area 1
Router1(config-router)#exit
Router1(config)#exit
```

```
Router#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile,
B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter
area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E -
EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia -
IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

O    192.168.10.0/24 [110/65] via 192.168.30.2, 00:02:50,
Serial0/0/0
     192.168.20.0/24 is variably subnetted, 2 subnets, 2 masks
C     192.168.20.0/24 is directly connected, GigabitEthernet0/0
L     192.168.20.1/32 is directly connected, GigabitEthernet0/0
     192.168.30.0/24 is variably subnetted, 2 subnets, 2 masks
C     192.168.30.0/24 is directly connected, Serial0/0/0
L     192.168.30.3/32 is directly connected, Serial0/0/0
```
