OSPF.

* Open shortest path first

elGIP - Interior Grateway protocol with in As (Autonomous System)

ELINK State Protocol

Administrative distance - 110

«Uses multicast address 224.0.0.5

+ Metric -> cost cost calculated by $cost = \frac{10^{\circ}8}{Bl\omega}$

Administrative Distance:

Source to Destination

ie) shortest two path OSPF 120 so OSPF is prefered.

classiess routing protocol.

* Equal cost load balancing.

* Area cocept to manage

+ Hello Pacuet in regular Dead timer = 4 + hellowtimer.

* Router in plays important role ies name of router.

OSPF Table
Neighbour Table [Show IP OSPF Databare Table[show in ospf database]

Routing Router 10:

highet ip in loop back id it No loop back Id. then

Tstates:

Multi cout (initial) * Down State -

unicant-* Init. State. -

triend. * Two way State. -

who will shoul LSBB (highert IP will show) * Exstant state -

* Exchange state _ partabare interchey

* Loading State _ compare if update available

* Full State. At B synchronized

OSPF Area:

-back bone Area or Transit Area.

* communication via onea o'

Normal Area.

other area from Apart from

Back borna area

* Internal router L

L) & Backbone routen.

* Area border growter.

Connett Bacuboon area & Normal Area)