**EXPERIMENT-10**

**Border gateway protocol**

**Aim:** Configure Network using Border gateway protocol.

**Apparatus (Software):** Packet Tracer Software/GNS3

**Theory:** Border Gateway Protocol (BGP) is a standardized exterior gateway protocol designed to exchange routing and reachability information between autonomous systems (AS) on the Internet. The protocol is often classified as a path vector protocol, but is sometimes also classed as a distance vector routing protocol. The Border Gateway Protocol does not use Interior Gateway Protocol (IGP) metrics, but makes routing decisions based on paths, network policies and/or rule-sets configured by a network administrator. The Border Gateway Protocol plays a key role in the overall operation of the Internet and is involved in making core routing decisions.

**Procedure:**

* Develop a Topology shown in figure given below.
* Configure all the workstations
* Configure all switches
* Configure all Routers
* Implement BGP protocols in Router to configure Network.



