**Q1**–According to Communications Act of 1934 what is FCC. What does it regulate? Provide your answer in 5 lines.

**Ans.**  FCC – Federal Communications Commission – it is an independent agency of US Regulates communication by radio, television, wires, satellite and cable across united states it acts as a jurisdictions over usage of broadband access and fair competition, radio frequency use

Flaws of act 1927 which led to development of act 1934 to regulate better way –

* this is independent federal agency
* is authorized to penalize the broadcast of obscene content
* regulates communication industry
* communication industry evolved with inclusion from – radio telephone telegraph to Telephone and now – internet and national security

FCC Regulates --   
- General provisions responsibilities and org of FCC  
- telephone and telegraph common carriers   
- provisions retained from Radio Act of 1927  
- described procedural and administrative provision  
- dealt with range of forfeitures FCC could assess

**Q2**–What are the problems seen in regulations by the Current Service Providers.  List any five problems.

**Ans**.   
Problems seen in regulations by current service providers –  
1. Acts are outdated – mobiles and internet technologies have evolved. Its neither prudent or logical to apply same logic that once applied to railroads and telegraph companies to modern ISPs or TSPs

2. List of rules & regulations is long and constantly growing longer. It is hard to take any action without consulting massive rulebook with team of lawyers. Law & codes are constantly added instead of replacing previous legislation to simplify things.

3. Service Provider have no input- Modern TSPs don’t like the fact FCC has not approved the control over the rules & regulations for the industry. FCC does not get any feedback from TSPS on how TSPs will operate in future.

4. Laws are passed based on political interest.   
 Major companies and product developers fight to keep regulations that ultimately benefit them. These moves are based on political interest than consumer interest

5. Nobody is satisfied with the regulation. Nobody is satisfied with current state of TSP regulation. Industry moguls claim regulations are stifling innovation, while consumer protection organisation claim FCC isn’t doing enough to keep TSPS from having stranglehold on internet access.

**Q3**–Explain the followings:

Net Neutrality (According to Act of 1996 )

**Ans.**

**Net Neutrality -**An ISP must provide access to all sites, content and applications at same speed, under same conditions without blocking or giving preference to any content.

According to act of 1996   
- it deregulates the cable industry to increase competition  
- anyone can start communications business   
- ensures no discriminatory practices are used to withhold telecom services from certain users or unfairly prioritize one line communication over other  
- ensure all consumers have access to emergency communication , law enforcement and similar necessities

Wiretapping of communications services (According to the Act of 1994 expanded in 2005)

**Ans**. The act of 1994 was expanded in 2005 and mentioned as ACT – Communications Assistance for Law Enforcement Act – CALEA  
- This Act was passed to **protect the consumer privacy** of information for the agencies to conduct **electronic surveillance outside the scope of investigations**.  
- The Telecommunications equipment manufacturer designed their **equipment facilities and services to comply with legal requests for information**  
- CALEA does not provide commission review of manufacture developed solutions. Entities subject to **CALEA are responsible to review commissions regulations and analyse how this regulation applies per specific network architecture.**

A telecommunications carrier may comply with CALEA by -   
- developing its own compliance for unique network  
- purchase a compliance solutions from vendors, including manufacturers of equipment using to provide service  
- purchase a compliance solution from Trusted third part (TTP)