7593 Digital Communication 2004

a) flat no structure on address, can

hererchical-straitment which allows components to be andward separately.

b) postal - hierarchical, es can voute to country without themen understanding internal structure telephone - (mainly) hierarchical with contry with and code etc

Estemt address - flat (from moting pant of view) as only tell use complete equivalence

Internet - Lieuwchied but structure not held in address alone.

PGF P5q3 cont'd

- c) Defent classes (inditated by leading bits of address) have different poundary between host and network field. Routing is done on network field. Eg there are relatively for class A networks each of which is very large, and lots of class C networks all of which are tiny (256 hosts)
- d) Class less a delesses aren't structured untinsich, but allow ronters to define structure through ronting telles which the match prefixes morden to route packets. This leaves the boundary between but al returns they be the fixed to the fixed the sections.
- e) Thy were introduced because class disch routing incredity wasteful
- A) Prefixes and next his for early mapped prefix. (Match longert prefix when overlapping)