RAMA UNIVERSITY

www.ramauniversity.ac.in

FACULTY OF ENGINEERING & TECHNOLOGY

BCA-302Computer Networks

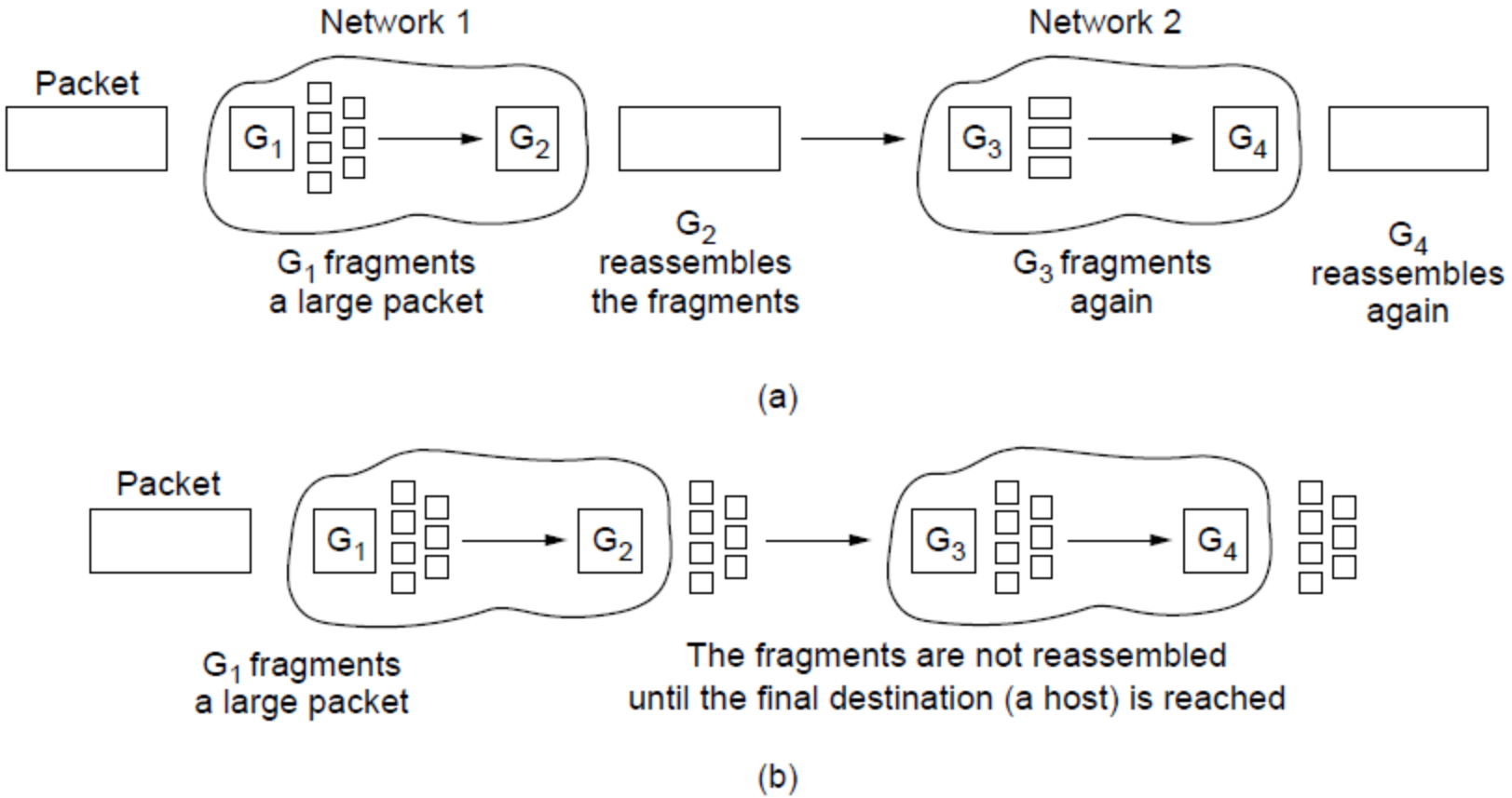
Lecture-25

Mr. Dilip Kumar J Saini
Assistant Professor
Computer Science & Engineering

OUTLINE

- PACKET FRAGMENTATION
- THE IP VERSION 4 PROTOCOL
- IP ADDRESSES
- IP VERSION 6

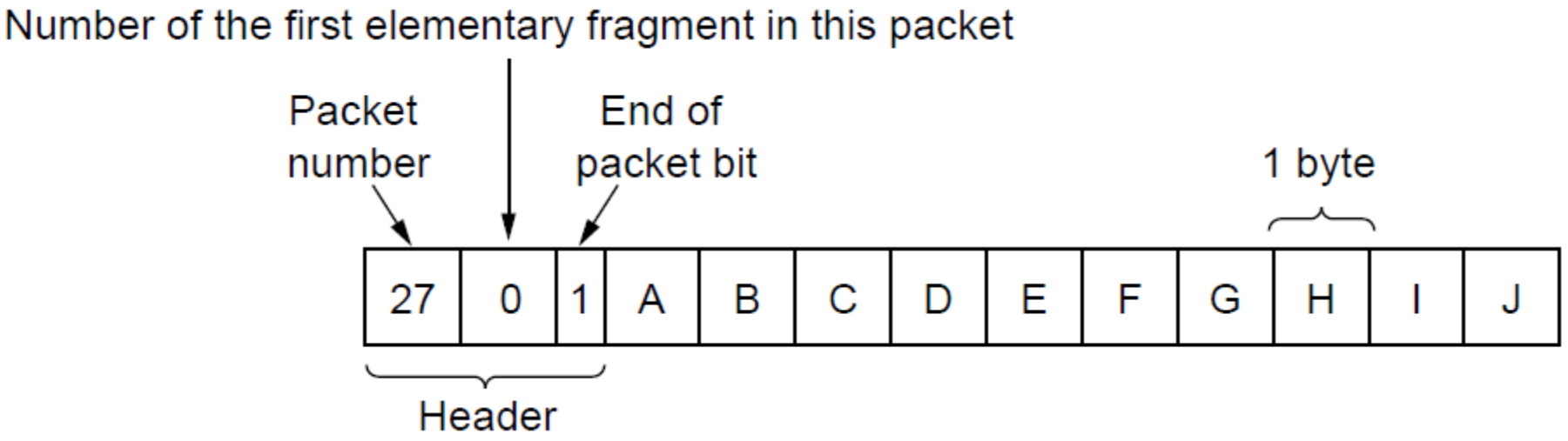
PACKET FRAGMENTATION



(a)Transparent fragmentation.
(b)Non transparent fragmentation

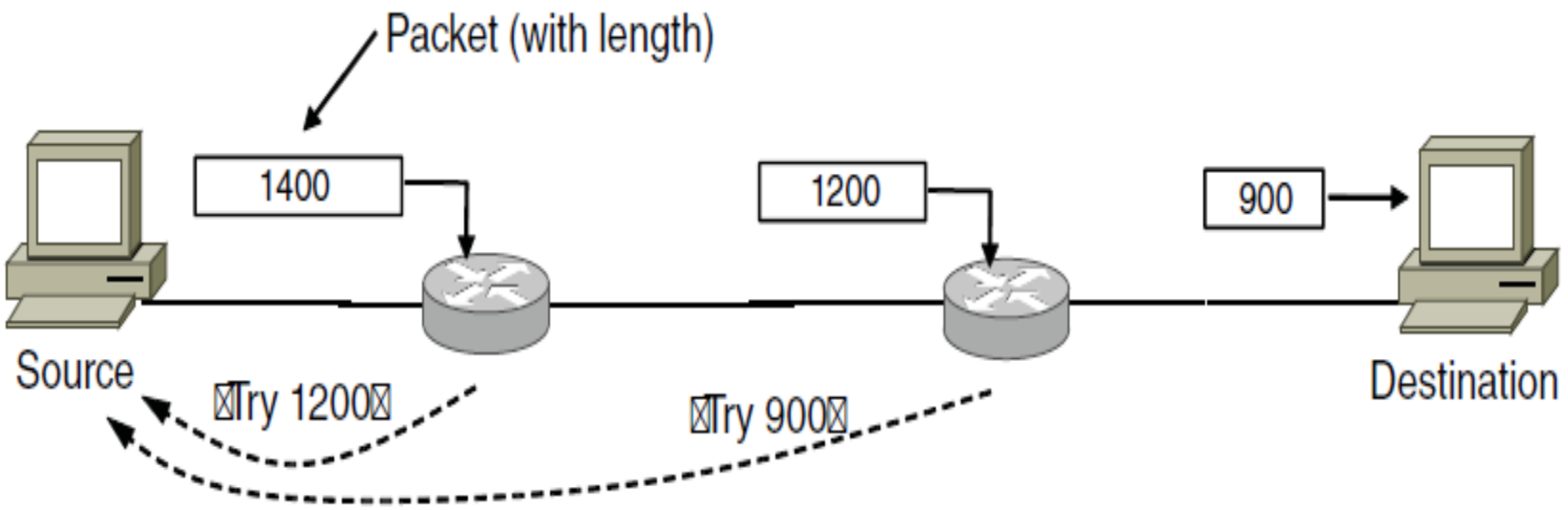
PACKET FRAGMENTATION

Fragmentation when the elementary data size is 1 byte.
(a) Original packet, containing 10 data bytes.



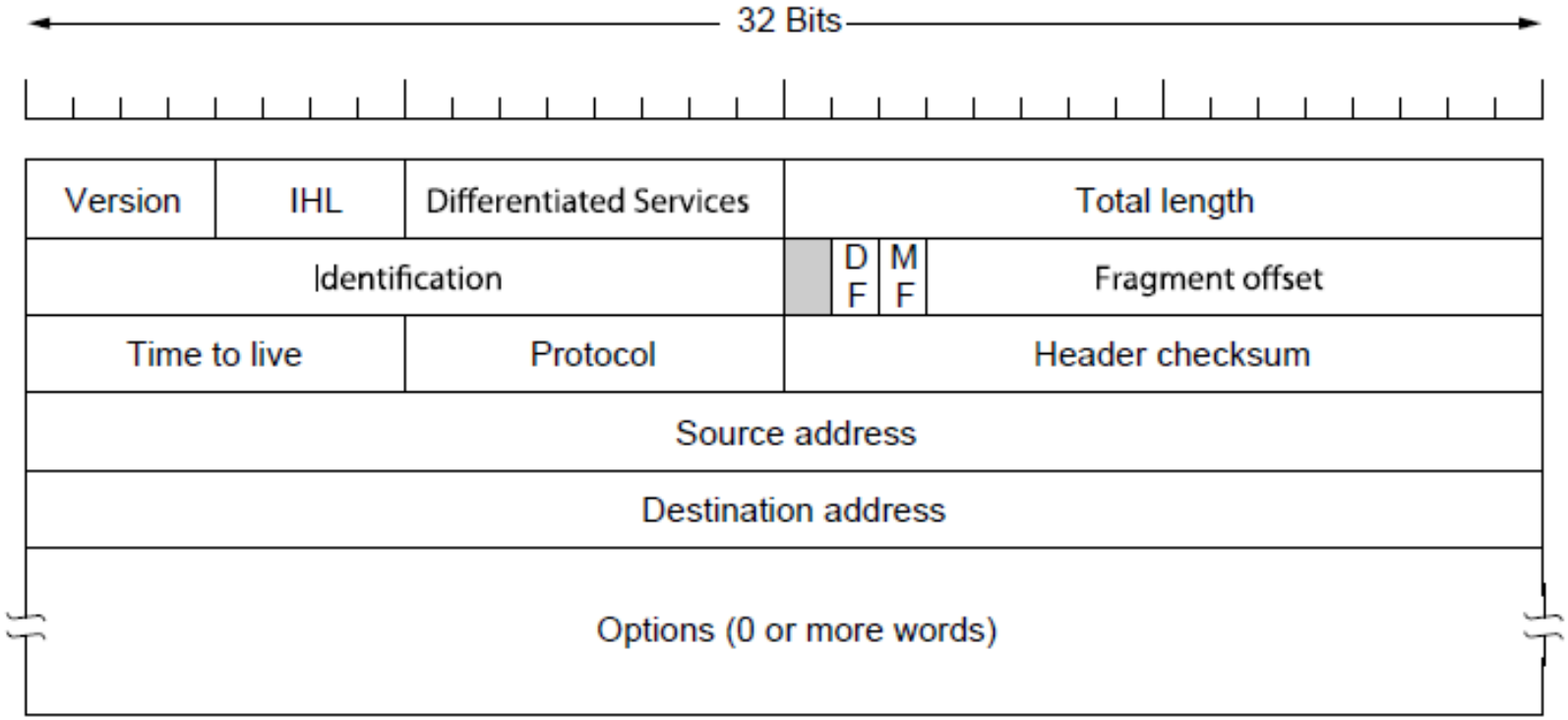
PACKET FRAGMENTATION

Path MTU Discovery



(

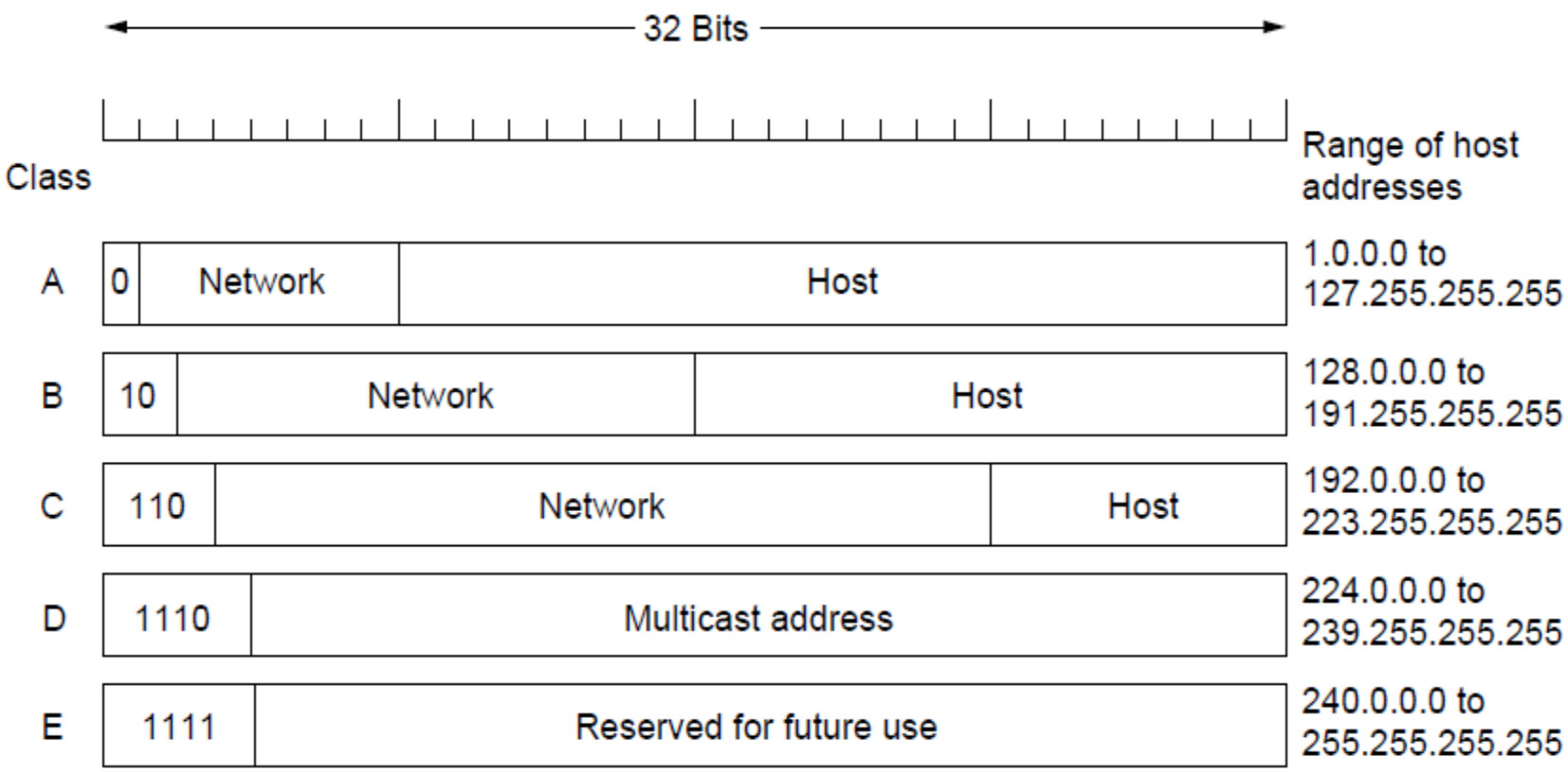
The IP Version 4 Protocol



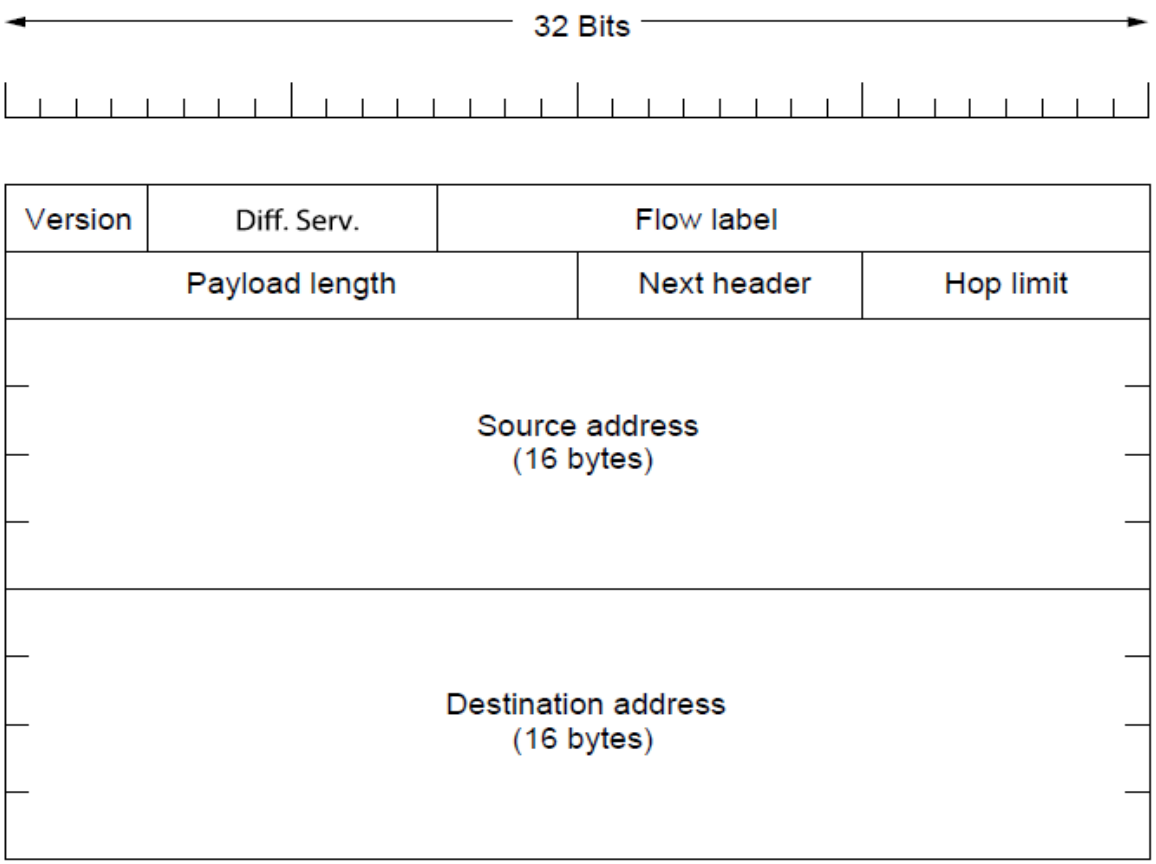
The IPv4 (Internet Protocol) header.

IP ADDRESSES

IP address formats



IP address V6 Header



Multiple Choice Question

MUTIPLE CHOICE QUESTIONS:

Sr no	Question	Option A	Option B	OptionC	OptionD
1	In a network, If P is the only packet being transmitted and there was no earlier transmission, which of the following delays could be zero?	Propagation delay	Queuing delay	Transmission delay	Processing delay
2	Firewalls are often configured to block _____	UDP traffic	TCP traffic	Sensitive traffic	Best-effort traffic
3	Ethernet frame consists of _____	MAC address	IP address	Default mask	Network address
4	What is start frame delimeter (SF in ethernet frame?	10101010	10101011	0	11111111
5	MAC address is of _____	24 bits	36 bits	42 bits	48 bits

REFERENCES

- http://www.engppt.com/2009/12/networking-fourozan-ppt-slides.html