



# RAMA UNIVERSITY

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## FACULTY OF ENGINEERING & TECHNOLOGY

### BCA-302 Computer Networks

#### Lecture-10

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Assistant Professor

Computer Science & Engineering

# OUTLINE

➤ PROPAGATION MODES

➤ MODES

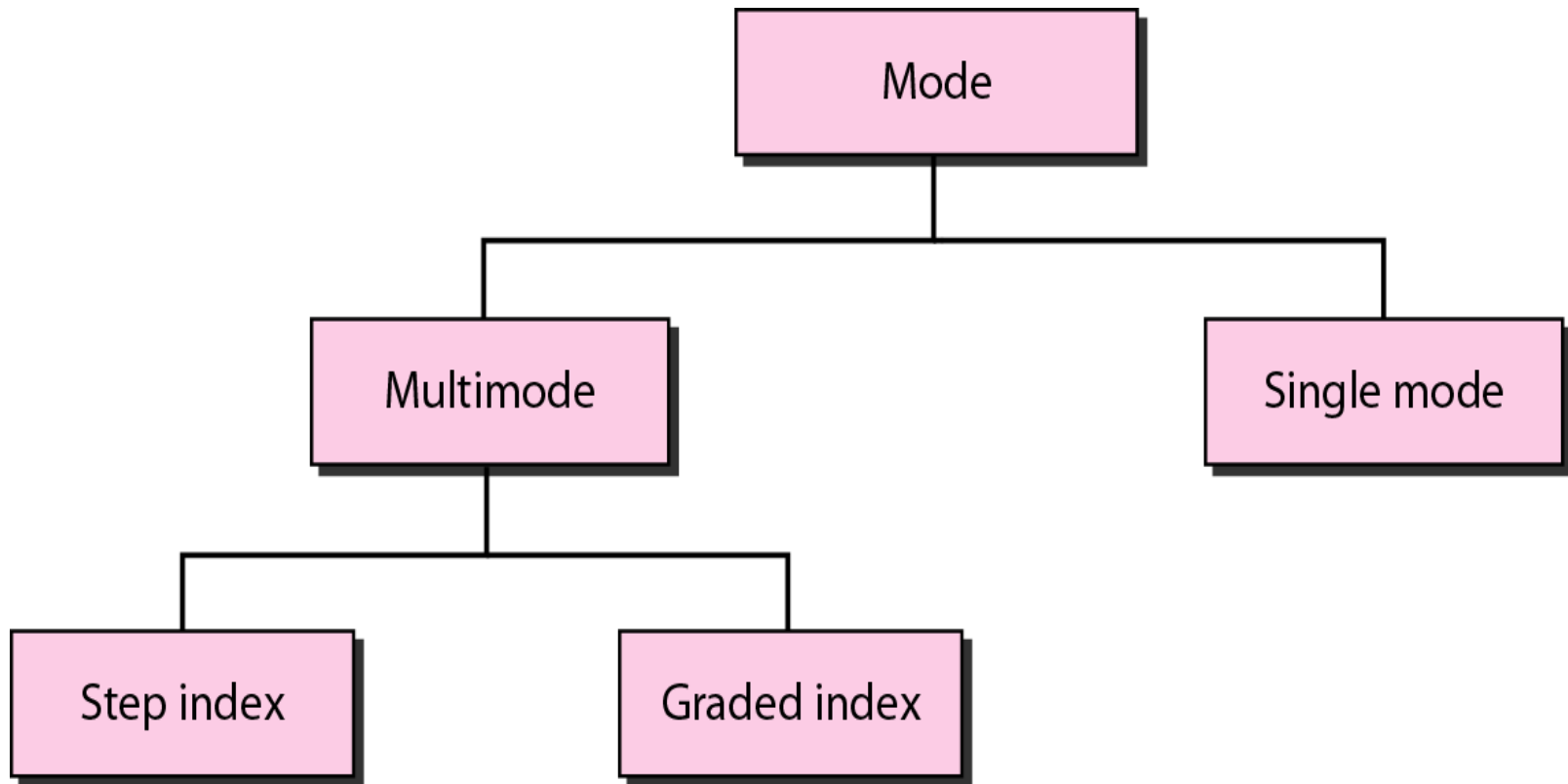
➤ FIBER TYPES

➤ FIBER CONSTRUCTION

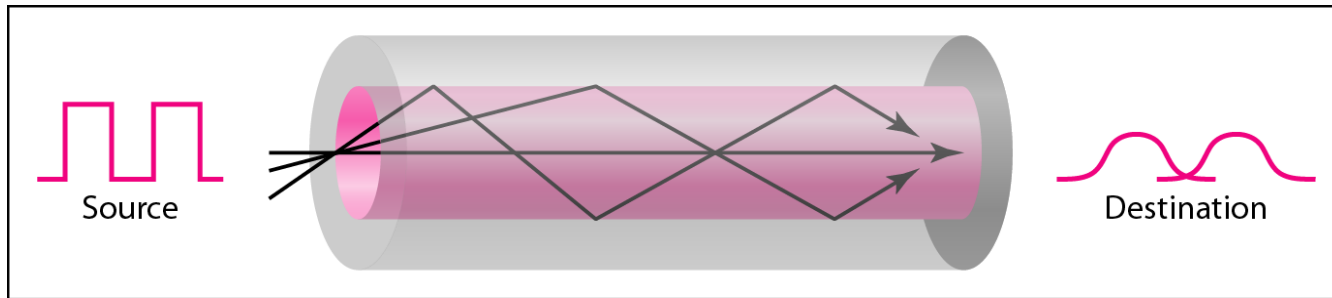
➤ FIBER-OPTIC CABLE CONNECTORS



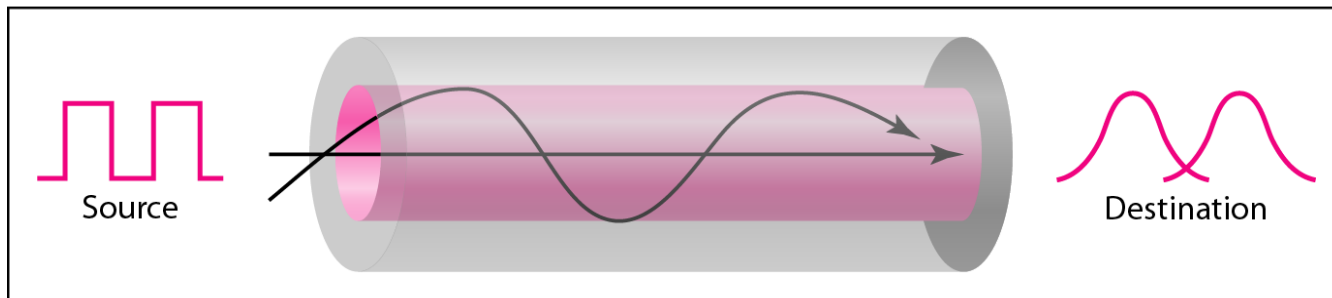
# PROPAGATION MODES



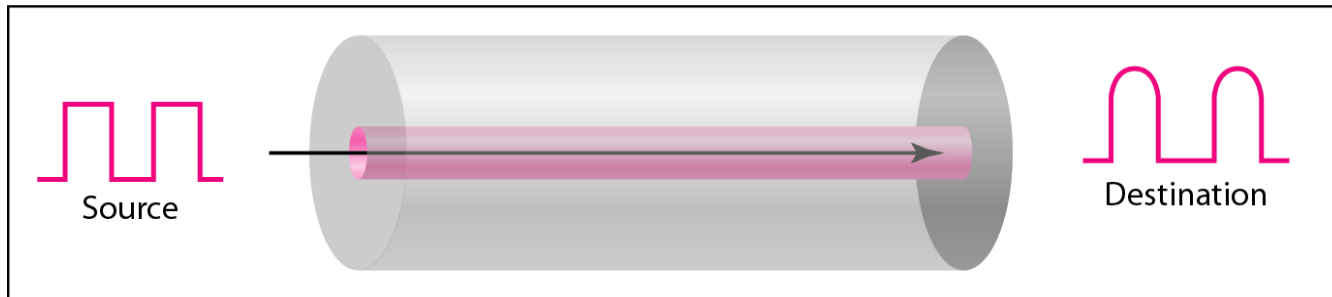
# MODES



a. Multimode, step index



b. Multimode, graded index

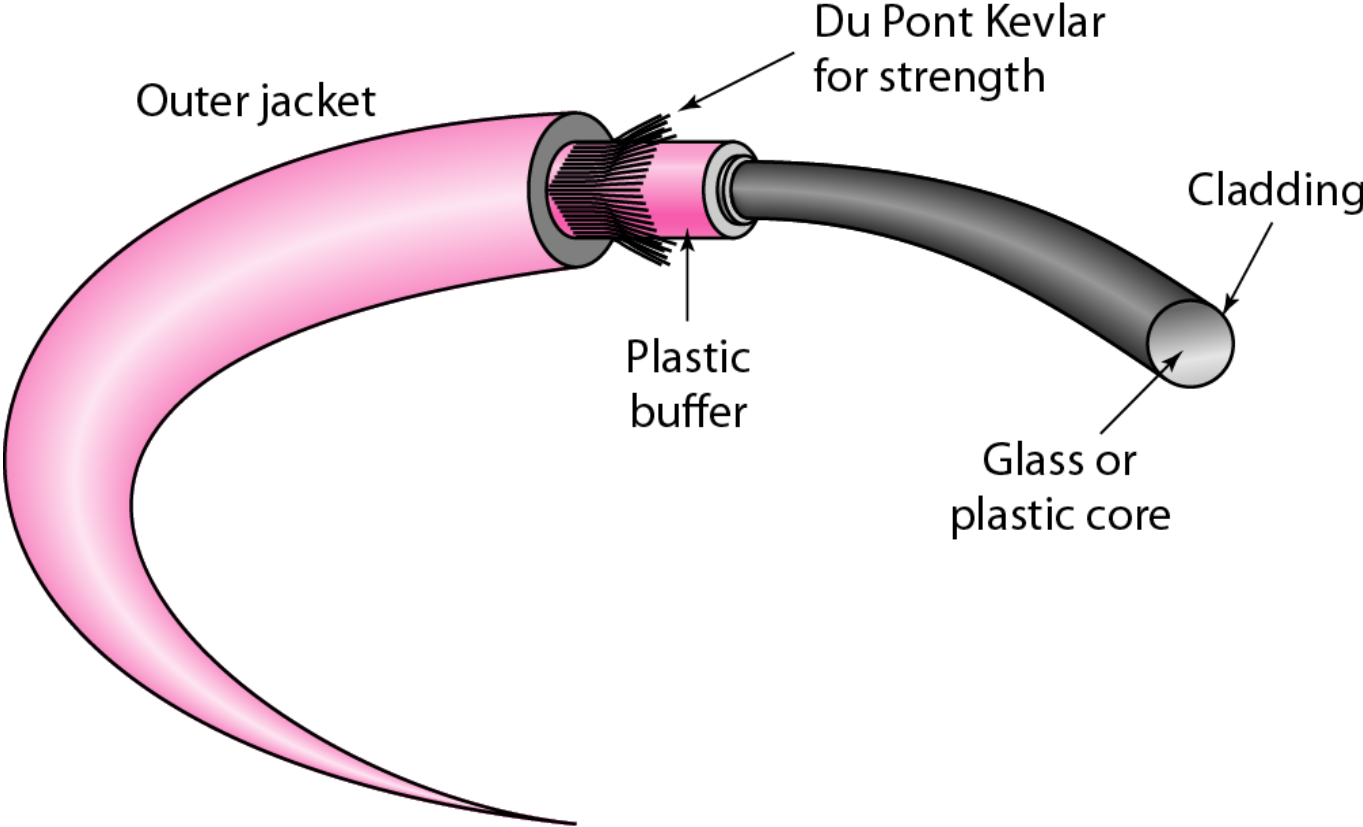


c. Single mode

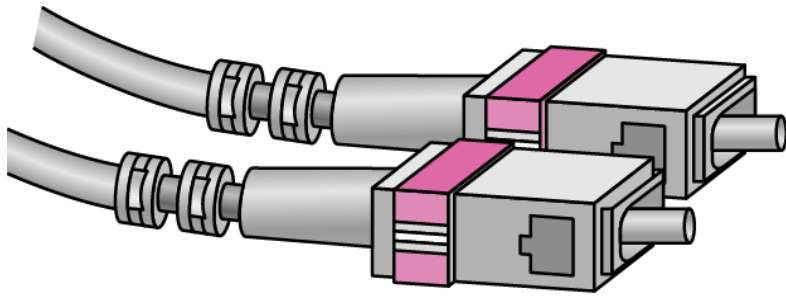
## FIBER TYPES

<i>Type</i>	<i>Core (<math>\mu\text{m}</math>)</i>	<i>Cladding (<math>\mu\text{m}</math>)</i>	<i>Mode</i>
50/125	50.0	125	Multimode, graded index
62.5/125	62.5	125	Multimode, graded index
100/125	100.0	125	Multimode, graded index
7/125	7.0	125	Single mode

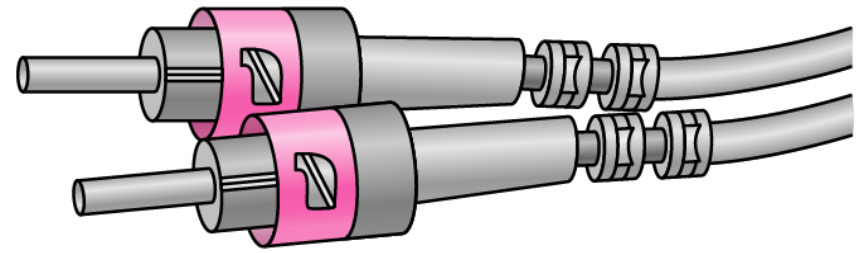
# FIBER CONSTRUCTION



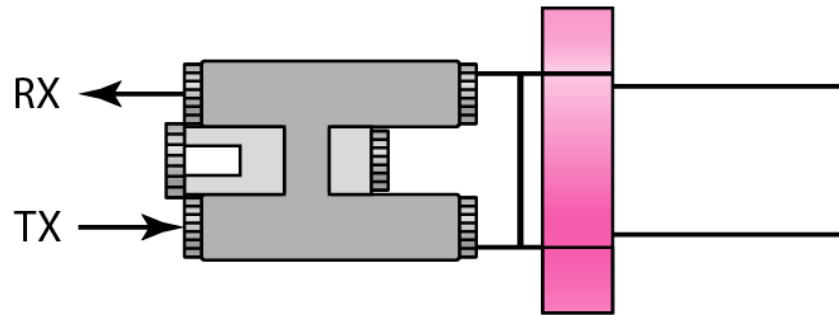
# FIBER-OPTIC CABLE CONNECTORS



SC connector



ST connector



MT-RJ connector

# Multiple Choice Question

## MUTIPLE CHOICE QUESTIONS:

Sr no	Question	Option A	Option B	OptionC	OptionD
1	Two devices are in network if _____	a process in one device is able to exchange information with a process in another device	a process is running on both devices	PIDs of the processes running of different devices are same	a process is active and another is inactive
2	Which of the following computer networks is built on the top of another network?	prior network	chief network	prime network	overlay network
3	In computer network nodes are _____	the computer that originates the data	the computer that routes the data	the computer that terminates the data	all of the mentioned
4	Communication channel is shared by all the machines on the network in _____	broadcast network	unicast network	multicast network	anycast network
5	Bluetooth is an example of _____	personal area network	local area network	virtual private network	wide area network
5	A _____ is a device that forwards packets between networks by processing the routing information included in the packet.	bridge	firewall	router	hub



# REFERENCES

- <http://www.engppt.com/2009/12/networking-fourzan-ppt-slides.html>

