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	OPTICAL FIBER COMMUNICATION
	6 <sup>th</sup> Exam/ECE/ETV/ECE-II/EEE/6186/8161/Nov'18
Durati	on: 3Hrs. M.Marks:75
01 D	SECTION-A
•	o as directed. 10x1.5=15
a. b	
b. c.	The refractive index of multimode fiber changes
d.	
e.	
f.	Snell's law states that
g.	
h.	
i.	- · · · ·
j.	EDFA stands for
	SECTION-B
	tempt any five questions. 5x6=30
i.	Explain avalanche photodiode with suitable diagram.
ii.	7, 1
iii.	Write advantages of optical fiber communication.
iv.	harman and a second a second and a second an
٧.	
Vİ.	8
vii.	
:::	a) Raman Scattering b) Absorption loss
VIII.	What is dispersion? What are the different types of dispersion?
	SECTION-C
Q3. At	tempt any three questions. 3x10=30
a.	What do you mean by optical light source? Explain different types of optical sources.
b.	Draw and explain block diagram of optical fiber communication link.
c.	, , , , , , , , , , , , , , , , , , , ,
d.	
	i. Stimulated emission

- ii. Optical detectorsiii. SOA applications