	of Printed Pages : 4		Q.9 EDEA stand for	(CO-6)	
Kui	oll No	171054/121054/ 031054B	Q.10 Define Bit Rate.	(CO-2)	
5th Sem. Subject : Optical Fiber Communication			SECTION-B		
SECTION-A			Q.11 What is optical fiber Communication system		
Note: Objectives type questions. All questions are				(CO-1)	
	compulsory	(10x1=10)	Q.12 What do you understand by optical fiber		
(Course Outcome/CO)			connectors?	(CO-6)	
Q.1	What is critical Angle?	(CO-1)	Q.13 What is electromagnetic spectrum used i		
Q.2	Draw the structure of optical fiber cabe (CO-1)		OFC?	(CO-1)	
Q.3	What is snell's Law.	(CO-1)	Q.14 What are the types of optical fiber?	(CO-4)	
Q.4	Define fusion splicing.	(CO-3)	Q.15 Define attenuation.	(CO-2)	
Q.5	What is dispersion?	(CO-2)	Q.16 What is spontaneous Emission	(CO-5)	
Q.6	LASER stand for	(CO-5)	Q.17 What are the main cause of absorption fiber?	on in optical (CO-2)	
Q.7	An optical light source co	nvert (CO-5)	Q.18 What do you mean by optical sourc	,	
Q.8	What is optical Detector?	(CO-5)		,	
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Q.19 Define APD?	(CO-5)	Q.29 What are Photo Detector &	its characteristic. (CO-5)	
Q.20 What is Quantum Efficiency (h)	(CO-5)	Q.30 What is RAMAN Amplifier? Explain(CO-1, CO	,	
Q.21 Describe 'RAMAN Amplifier'	(CO-6)		plain(CO-1, CO-6)	
Q.22 How many types of Absorption loss	ses? (CO-2)	Q.31 What are applications of fiber optics. (CO-1)		
SECTION-C	. (33 2)	Q.32 What is the the Principle and operations of LED? (CO-5)		
,				
Note: Short answer type questions. Attem questions.	8x5=40	SECTION-D		
questions.	0,3-40	Note:Long answer type questions. Attempt any t		
Q.23 Explain the historical perspective of	•	questions.	3x10=30	
communication. (C	O-1, CO-6)	Q.33 What are losses? Explain testing of losses		
Q.24 What are advantages of graded inde	ex fiber over	using OTDR.	(CO-2)	
step index fiber?	(CO-4)	•	ight popotration	
Q.25 What is optical fiber cable connecte	or? Explain	Q.34 Explain the principle of light penetration, reflection and critical angle in optical fiber cable		
(CO-6)		(CO-1, CO-4)		
Q.26 Explain in brief scattering losses.	(CO-2)	Q.35 Describe LASER as Light	source and its	
· · · · · ·	,	characteristics explain. (CO-5)		
Q.27 Give the difference between LE				
(CO-5)		Q.36 What are different types of optical Amplifier?		
Q.28 Explain in brief population inversion	n. (CO-5)	Explain SoA. (CO-1, CO-6)		
		(Note: Course outcome/CO is for office use only)		
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