Reg	istra	ation No:													
Total Number of Pages: 01												B.Arch.			
5 th Semester Back Examination 2017-18 Building Services - III (Illumination) BRANCH: B.Arch. Time: 3 Hours Max Marks: 70 Q.CODE: B101 Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks.															
Q1	a) b) c) d) e) f) g) h) i)	Answer the following questions: What is light? Define colour rendering index of light source. Explain metamerism of colour surfaces. What do you mean by PAR 20 halogen light? Explain the use of T5 lights in green architecture. What is colour temperature? Explain F32T8/830 in terms of temperature, watt and diameter of the lamp. What are flood lights and where are they mainly used? What is the relationship between Luminance, reflectance and illuminance? What do you mean by BEE ratings for lighting appliances?											(2 x 10)		
Q2	a) b)	·												(5) (5)	
Q3	a) b)	design.													(5) (5)
Q4	a) b)	What are the lighting design principles for an painting exhibition Hall? Explain all types of lighting fixtures to be used. For an Arterial street of 60m wide, show with proper road section the lighting design concept and its functions.											(5) (5)		
Q5	a) b)	Highlight important features of LED lights and its advantages over other lights. Briefly explain the use of Solar PV system for outdoor lighting.									hts.	(5) (5)			
Q6	a) b)	use areas.											d its	(5) (5)	
Q7		Explain the o			-							n fror	n source	e to	(10)
Q8	a) b) c) d)	Write short a LPD value ar Night Sky pol Laws of Illum Define Glare	nd its im lution a ination	npor and i	tance its im	e in G pact o	reen E on Fla	ura 8	_	-	a city	'.			(5 x 2)