Registration No :															
Total Number of Pages : 01											B.Arch.				
8 th Semester Regular / Back Examination 2017-18 BARRIER FREE ENVIRONMENT BRANCH: B.Arch Time: 3 Hours Max Marks: 70 Q.CODE: C405 Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks.														EAR853	
Q1	a) b) c) d) e) f) g) h) i)	Answer the following questions: write short notes on: Barrier free mobility devices Semi-Ambulatory type of disability Door Thresholds Standard size of the interior spaceof a disable friendly lift. Tactile Warning Strip DroppedKerbs Directional Tile/Block Positional Tile/Block Luminous Contrast Slip Resistance												(2 x 10)	
Q2	a) b)	Define barrier free environment. Elaborate different types of disabilities that should be addressed while designing barrier free environment.													(5) (5)
Q3	a) b)	Briefly explain the requirements for barrier free access route. Explain with neat sketchesthe standard and specification for barrier freetoilet.												(5) (5)	
Q4	a) b)	What are the special design features requiredfor a residential building for aperson with impaired vision? What are the design considerations for provision of public information orservice counters?												(5) (5)	
Q5	a) b)	What are the standards for accessible car parking spaces designated for the use of persons with a disability? Write down barrier free design requirement for pedestrians.											(5) (5)		
Q6	a) b)	Briefly explain the special requirements for accessible lifts. Explain the technical details for designing ramps.												(5) (5)	
Q7		Explain the requirements for lighting provisions in various areas with respect to the accessible environment.											(10)		
Q8	a) b) c) d)	Write short answer on any TWO: Floor materials for person with impaired vision. Passage width for wheelchairs. Explain with neat sketches. Braille and Tactile Sign Grab Rails											(5 x 2)		