2002 HIGHER SCHOOL CERTIFICATE EXAMINATION Physics

Section I – Part B (continued)

Question 24 (8 marks)	Marks
In terms of band structures and relative electrical resistance, describe the differences between a conductor, an insulator and a semiconductor.	8
A conductor is a device which transport free moving electrons. Such as copper, & a An Insulator is a device which can not conduct any electrons. Rubber plastics and glass are examples of this.	
A semiconductor is a device which conducts the movement of free electron but also has resistance in it.	ાડ