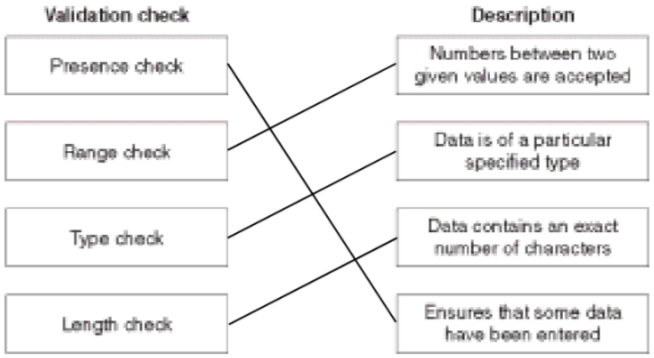
3 | 1 mark for each correctly completed element of the grid | **8**

Variable	*Data Type*	*Appropriate Validation Check*
EmployeeID	String	Length Check / Presence Check / Format Check / Type check
Manager	Boolean	Type Check / Presence Check
AnnualHoliday	Integer	Type Check / Range Check / Presence Check
PayGrade	Char	Presence Check / Length Check / Type Check

Question	Answer	Marks
4	1 mark for each correct answer	**4**

Statements	Validation	Verification
To automatically check the accuracy of a bar code	✓	
To check if the data input is sensible	✓	
To check if the data input matches the data that has been supplied		✓
To automatically check that all required data fields have been completed	✓	

4 1 mark for each correct link up to maximum of 3 marks



[3]

Question	Answer	Marks
3(a)	1 mark per bullet: Validation checks whether data to be entered is possible/sensible // computer check Verification checks that data entered is the data that was intended to be entered // can be a human check // matches the source	**2**
3(b)	1 mark for each valid point **Either** Double Entry // suitable practical example the data will be entered twice compared by the computer or by a human if a discrepancy is found, the data entry operator is asked to re-enter the data **Or** Visual Verification // suitable practical example the data will be compared to the source 'document' compared by a human if a discrepancy is found, the data is re-entered	**2**

Question	Answer	Marks
3(c)	1 mark for explanation and 1 mark for an expansion Library routine is a list of instructions // block of code // subroutine … that is used often … … which is given a name … and which can be called from other programs Library routines make writing programs easier and faster as the code is already written Library routines make program testing easier as the code has already been tested and debugged	**2**