1. One mark per mark point, max two

• type of test data …

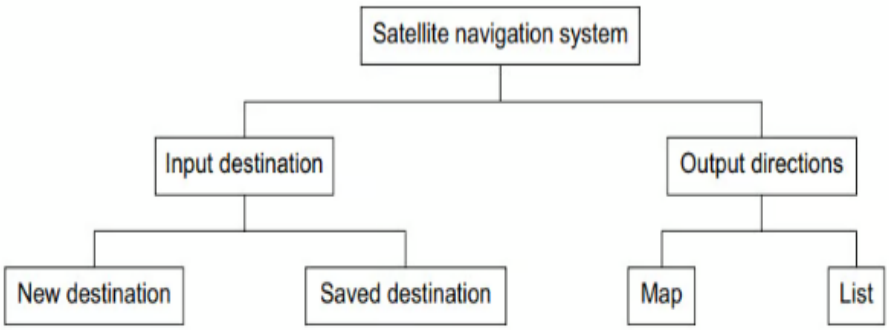
• … description of test data

Example answers

Normal data (1) data that would be accepted by the program (1)

Boundary / extreme data (1) data that is on the acceptable limits (1) [2]

2. One mark for a hierarchical structure
One mark for suitable names for the sub-systems.
One mark for identifiable inputs.
One mark for identifiable outputs.
For example,



[4]

3. One mark for two correct rows
Two marks for three correct rows
Three marks for four correct rows.

Statement	Validation (✓)	Verification (✓)	Neither (✓)
a check where data is re-entered to make sure no errors have been introduced during data entry		✓	
an automatic check to make sure the data entered has the correct number of characters	✓		
a check to make sure the data entered is sensible	✓		
a check to make sure the data entered is correct			✓

[3]

4. One mark for each error identified and correction

- `Line 05  OUTPUT UsefulEnergyOut` should be `INPUT  UsefulEnergyOut`

	• `Line 06 IF TotalEnergyIn <> -1 AND UsefulEnergy <> -1` should be: `IF TotlEnergyIn <> -1 AND UsefulEnergyOut <> -1` • `Line 11 UNTIL TotalEnergyIn <> -1 OR UsefulEnergyOut <> -1` should be : `UNTIL TotalEnergyIn = -1 OR UsefulEnergyOut = -1` [3]
5.	Linear Search [1]