

The Correction of Catch up Examination

Part one: Comprehension

- 1- An appropriate title to the text is *thermodynamics* 1 pt
- 1- Are the following sentences true or false? Correct the false ones.
- a- Thermodynamic equilibrium is one of the most important concepts for thermodynamics. T 1pt
- b- Thermodynamics can be strictly resolved into more than two distinct components. F 0.5 pts
The correction: *Thermodynamics can be strictly resolved into two distinct components.* 0.5 pts
- c- The temperature is perhaps the less characteristic quantity of thermodynamics. F 0.5 pts
The correction is: *the temperature is perhaps the most characteristic quantity of thermodynamics.* 0.5pts
- 2- What do the underlined words refer to in the text? 02pts
*That : *thermodynamics* * their: *the systems and processes of interest.*
- 3- A- Find in the text words that are closest in meaning to the following. 01pt
*maybe: *perhaps* *different: *distinct.*
- b- Find in the text opposites of the following words. 01pt
*easy ≠ *difficult* *complicated ≠ *simple*

Part two: Mastery of language

- 1- What is the difference between these sentences? 02pts
*The farmer is small / *The small farmer.
A small farmer is a man who has a small farm, but the farmer is small means that he is a small man physically.
- 2- Join the following pairs of sentences using the subordinating conjunction between brackets.
- a- Doctors tried to wean him off alcohol. He was not able to give up. (even though)
He was not able to give up even though doctors tried to wean him off alcohol. 1pt
- b- Celine worked hard. She got a merit raise.(so)

- Celine worked hard so she got a merit raise.* 1pt
- 3- Classify the underlined verbs in the following sentences into transitive and intransitive verbs.
- a- We could no longer read the trail
Transitive verb 1pt
- b- Her fame lives on.
Intransitive verb 1pt
- c- They put the child's money into a trust fund.
Transitive verb. 1pt
- 4- Identify the use of 'fast' in these sentences.
- a- The train went fast
Fast in this sentence is used as an adverb. 1pt
- b- A fast train.
Fast in this sentence is used as adjective. 1pt

Part three: Fill in the gaps with the following words: appropriate, defined, way, with, variables, of 03 pts (0.5pts for each answer)

A thermodynamic system can be defined in terms of its states. In this way, a thermodynamic system is a macroscopic physical object, explicitly specified in terms of macroscopic physical and chemical variables that describe its macroscopic properties. Always associated with the material that constitutes a system, its working substance, are the walls that delimit the system, and connect it with its surroundings. The state variables chosen for the system should be appropriate for the natures of the walls and surroundings.