

## In the Name of God

Technical English  
University of Tehran  
Autumn 95

Vocabulary Quiz #2-C  
Name: .....  
Student No.: .....

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1. Fill in the blanks with the appropriate form of the given words; there are some extra words!  
(55 points)

extracurricular  
thermostat  
thermometer  
obstruct

propellant  
thesis  
infrastructure  
suspension

overlap  
graphite  
impedance  
regenerate

automaton  
fluctuate  
prototype  
permeate

- i. In Electronics, a *prototype* is often constructed using techniques such as wire wrapping or using breadboard, with the result being a circuit that is electrically identical to the design but not physically identical to the final product.
- ii. A basic *suspension* system consists of springs, axles (shafts), shock absorbers, arms, rods, and ball joints. The spring is the flexible component and some basic types are leaf springs, coil springs, and torsion bars.
- iii. Throughout childhood and adolescence, hormones may cause weight to *fluctuate* dramatically.
- iv. A *thermostat* may be a control unit for a heating or cooling system or a component part of a heater or air conditioner.
- v. Studies have shown being involved in *extracurricular* activities reduces the likelihood of dropping out of school, likelihood of committing a criminal offence, and leads to higher educational attainment, success, and achievements in school work.
- vi. *Graphite* is an electric conductor and its conductive properties of the powdered form allows its use as pressure sensor in carbon microphones.
- vii. Thrombosis is the formation of a blood clot inside a blood vessel, *obstructing* the flow of blood through the circulatory system.
- viii. "Hard" ..... refers to the large physical networks necessary for the functioning of a modern industrial nation, whereas "soft" ..... (*the same word*) refers to all the institutions which are required to maintain the economy, health, and cultural and social standards of a country.
- ix. In rockets and aircraft, *propellants* are used to produce a gas that can be directed through a nozzle, thereby producing thrust.
- x. The *impedance* of a circuit element can be defined as the ratio of the phasor voltage across the element to the phasor current through the element, as determined by the relative amplitudes and phases of the voltage and current.

- xi. Leonardo Da Vinci wrote extensively about *automatons* and his personal notebooks are littered with ideas for mechanical creations ranging from a hydraulic water clock to a robotic lion.
2. Give a reasonable meaning for each word (*in English, of course!*). *If you cannot write the meaning in English, give a sentence example for the word.* (25 points)
- i. simultaneous →
  - ii. fluctuate →
  - iii. synthesis →
  - iv. incoherent →
  - v. undermanned →
3. Suggest a synonym or a reasonable meaning (*in English, of course!*) for the underlined words. (20 points)
- i. Because light emanating from the object converges or appears to diverge from this location, a replica or likeness of the object is created at this location.
  - ii. The upkeep of Facebook servers is one of the vital costs that the company has to consider each year.
  - iii. Deviation in nature is an important part of evolution. If the deviation makes the organism better able to survive, it passes the change on to its descendants.
  - iv. An overflow condition may be ignored, particularly if the possibility has not been anticipated, but this gives incorrect results and can compromise a program's reliability and security.
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4. Generally, how was the vocabulary class? What about the quizzes?  
*Express your opinion in a few sentences so that we can gradually make it better! Any truthful objections or suggestions are welcomed.* (10 points, bonus)  
*Thank you all! :)*