**Assignment Module Asset Management – Leak Detection**

**Night flow measurements**

1. What is the advantage of a night flow measurement (compared to a day flow measurement)?
2. During the night, the water consumption is zero.
   1. Yes
   2. No
3. If not, give examples of water usage during the night.
   1. …
   2. …
   3. …
4. What is the difference between background leakage and burst leakage?
5. At what time is the night consumption normally at a minimum?
6. What is the relation between pressure and water loss from leakages?
   1. There is no relation
   2. higher pressure gives less water loss
   3. higher pressure gives more water loss (almost linear)
   4. higher pressure gives more water loss (strongly exponential)

Answers

* 1. the consumption is very low
  2. no
  3. private water tanks filled up, toilet usage, tap leakages behind the water meter, night club
  4. Background leakages are individually too small to be detected by visual or acoustic inspection for leakage.
  5. Around 3 am
  6. c