

## Test Prior to the GC-MS Quantification lab

*The answers must be provided prior to the lab; however, the student should have the knowledge of the content without looking at notes. Lack of preparation will result in the cancelation of the lab and its delay to a further date. The uploaded answers must be handwritten.*

1. What is the purpose of this assignment?
2. What are the main tasks to be completed?
3. Explain the approach to internal standard calibration and its purpose.
4. What compound should be used for the internal standard quantification method?
5. What GC-MS temperatures and other instrumental operation values should you record in the report?
6. What is repeatability, and how is it evaluated?
7. What types of repeatability are evaluated in this work?
8. How do you prepare the evaluation sample in this lab (provide 3 step approach)?
9. What are the LOD and LOQ and how do you determine them?
10. How do you determine the accuracy of the method in this work?