

Micro lab final exam:

Review CT questions from ex. 8, 9, 22, 24, 26, and 45 for your short answer essay questions

Review chapters 3 (this time paying close attention to the staining discussed there), 6 (pay close attention to conditions needed to foster growth and/ or stop growth. Be able to recognize growth curves for a variety of organisms) and ch 10 on microbial classification.

Specifics:

1. Know what stains are used for particular procedures. I.e. Which stains are needed for Gram staining and in what order? What color are organisms at a particular point in the staining process?
2. Know stains we use are acidic, basic, mordant, etc...
3. Be able to interpret the results of stain. I.e. What do Gram positive stains look like?
4. Be able to interpret growth curves for organisms grown under ideal conditions as well as those grown in poor conditions.
5. In relation to microbial growth, how do salts and sugars work to preserve food?
6. What pH does most bacteria grow best at?
7. Define: psychrophile, mesophile, thermophile, hyperthermophile, psychrophile.
8. Based on your reading and lab work, know what substances are used for sterilization, disinfection, degerming, etc...
9. How do we classify microorganisms?
10. What is the basis for the three domain system?
11. What organisms could one expect to find in a sputum? A urethra sample?