

**First Question: choose the correct answers****(12 marks)**

1. A symbiont could be a(n):
 - a. commensal.
 - b. opportunist.
 - c. parasite.
 - d. all of the above

2. The greatest number and variety of indigenous microflora of the human body live in or on the:
 - a. colon.
 - b. genitourinary tract.
 - c. mouth.
 - d. skin.

3. *Escherichia coli* living in the human colon can be considered to be a(n):
 - a. endosymbiont.
 - b. opportunist.
 - c. symbiont in a mutualistic relationship.
 - d. all of the above

4. Which of the following sites of the human body does not have indigenous microflora?
 - a. bloodstream
 - b. colon
 - c. distal urethra
 - d. vagina

5. Which of the following would be present in highest numbers in the indigenous microflora of the human mouth?
 - a. Beta-hemolytic streptococci
 - b. Alpha-hemolytic streptococci
 - c. *Candida albicans*
 - d. *Staphylococcus aureus*

6. Which of the following would be present in highest numbers in the indigenous microflora of the skin?
 - a. *C. albicans*
 - b. coagulase-negative staphylococci
 - c. *Enterococcus* spp.
 - d. *E. coli*

7. The indigenous microflora of the external ear canal is most like the indigenous microflora of the:
 - a. colon.
 - b. mouth.
 - c. skin.
 - d. distal urethra.

8. The term that best describes a symbiotic relationship in which two different microorganisms occupy the same ecologic niche, but have absolutely no effect on each other is:
 - a. commensalism.
 - b. mutualism.
 - c. neutralism.
 - d. parasitism.

9. 2 types of β -lactamases - *penicillinases* and *cephalosporinases*; some bacteria produce both types
 - a. True
 - b. False

10. Capnophiles require increased concentrations of O₂ (5-10% O₂).
 - a. True
 - b. False

11. Fluoroquinolones are bactericidal; inhibit protein synthesis while Penicillins are bactericidal; interfere with cell wall synthesis
 - a. True
 - b. False

