

**LPUNEST – Ph.D. Microbiology
(Sample Questions)**

- QUESTION 1** Which of the following pioneers of Microbiology is credited with the discovery of microorganisms using high quality magnifying lenses (early microscopes)?
- Option A AntonVanLeeuwenhoek
Option B Louis Pasteur
Option C Robert Hook
Option D Robert Koch
- QUESTION 2** Effects of bacterial exposure may lead to disease in the host. Place the following occurrences in the proper sequence or order
- Option A disease, infection, contact
Option B contact, disease, infection
Option C contact, infection, disease
Option D infection, contact, disease
- QUESTION 3** Microbial antagonism means that
- Option A good microbes are replaced by invading pathogenic microbes
Option B good microbes establish themselves in the host and prevent invasion by pathogenic microbes
Option C the host is predisposed to disease due to the microbes they harbor
Option D pathogenic bacterial growth is encouraged by the presence of established host organisms
- QUESTION 4** Preservation of foods by use of salts and sugars works by
- Option A Raising pH
Option B Creating a hypertonic environment
Option C Creating a hypotonic environment
Option D None of these
- QUESTION 5** What is a smear?
- Option A A smear is a preparation process in which a specimen is spread on a slide
Option B A smear is a process used to identify a specimen
Option C A smear is a process in which a specimen is moved beneath a microscope
Option D A smear is a preparation process in which a specimen is dyed