

## Quiz #5 Key – 7:45 lab

### 1. Define:

***Streptomyces*** – Bacteria in the genus *Streptomyces* are filamentous soil organisms recognized for producing geosmin, a substance that gives soil a characteristic earthy aroma, and as a source of multiple different antibiotics (including Streptomycin, Neomycin and Tetracycline. This is the largest genus in the phylum Actinobacteria.

**Mycology** – Mycology is the science or study of fungi and typically includes observation, characterization and classification of molds, yeasts and fleshy fungi.

**Endophytic** – The term endophytic applies to photoautotrophic organisms (algae or Cyanobacteria) that are living inside another organism such as a *Paramecium*, *Hydra*, sea anemone, sponge, etc. These organisms are not parasites because they are not chemoheterotrophs, and they can actually provide their host with food through photosynthesis.

### 2. Spirochetes

### 3. Hyphae/ vegetative mycelium

### 4. Mycorrhizae

### 5. Sporangiospores

### 6. Meiosis/ gametophyte

7. Mycoses/ The condition of the host immune system; if host immune function is compromised, fungal infection is more likely to occur.

### 8. Phycology

### 9. Chlorophyll

### 10. Eutrophication

11. Matching letter sequence is – D, A, J, B, G, H, F, E, C and I.

The etiological agents of gonorrhoea are identified as *Neisseria gonorrhoeae*.