



私立臺北醫學院 90 學年度第一學期 期中 考試 命 題紙

系級	科目	授課教師	考試日期	學號	姓名
技三	微生物學	柯沂濤	____年____月____日第____節		

※①請注意本試題共 2 張。如發現頁數不足及空白頁或缺印，應當場請求補齊，否則缺少部份概以零分計。  
 ②每張試題卷務必填寫(學號)、(姓名)。

呂男黎老師

1. Q fever
  - a. rash is a prominent feature
  - b. it is transmitted by respiratory aerosol
  - c. wild rodents are an important reservoir
  - d. it is caused by Coxiella burnetii
  
2. Epidemic typhus
  - a. the disease is caused by a R. rickettsii
  - b. the disease is characterized by a rash
  - c. the Weil-Felix test can aid in diagnosis of the disease
  - d. the causative organism is transmitted from rodents to humans by a tick
  
3. Lymphogranuloma venereum (LGV)
  - a. caused by Chlamydia trachomatis
  - b. the serotype of infected agent is B, Ba, D-K
  - c. the organism appears purple in Gram-stained smears
  - d. the organism can be isolated in cell culture
  
4. Spirochaetales
  - a. species of Treponema are part of the normal flora of the mouth
  - b. species of Borrelia cause a tick-borne disease called relapsing fever
  - c. species of Treponema cause Lyme disease
  - d. species of Leptospira that cause leptospirosis grow primarily in human and are usually transmitted by human-to-human contact
  
5. Which of the followings is NOT true for Mycoplasma
  - a. smallest free-living bacteria
  - b. gram negative bacteria, replicate by binary fission
  - c. M. hominis cause respiratory disease
  - d. Resistant to penicillins and cephalosporins

吳雪霞老師

一、解釋名詞 (20%)

1. Partially acid-fast stain
2. Runyon grouping
3. Sulfur granules
4. Vaginosis
5. Nagler's reaction
6. Pseudomembranous colitis
7. Mycetoma
8. Kinyoun stain
9. PPD
10. Biological warfare

二、自去年美國 911 恐怖攻擊事件發生以來，有關 Bacillus anthrax 的致病機制的相關研究，有非常大的突破，請試簡述 Bacillus anthrax toxins 的致病機制 (5%)；又請試從 lethal factor 著手，設計治療預防的方法 (5%)。