

# 大葉大學 96 學年度轉學招生考試試題紙

學系	部別： 日間部/第二部/ 進修學士班/四技	年級	考試科目 (中文名稱)	考試日期	節次	備註
生物產業科技	日間部	三	普通微生物學	7月31日	四	共 = 頁 p2-1

註：考生可否攜帶計算機或其他資料作答，請在備註欄註明（如未註明，一律不准攜帶）。 13:30 ~ 14:50

選擇題（單選題，共 25 題，每題 4 分）

1. Fungal infections are called:
  - A. myelomas
  - B. mycoses
2. Which method regularly yields subsurface colonies in the finished plate?
  - A. loop dilution
  - B. streak plate
3. Like MacConkey agar, \_\_\_ broth and \_\_\_ agar are rich in nutrients suitable for hard-to-grow microbes.
  - A. gelatin, minimal
  - B. nutrient, blood
4. Most fungi are saprobes, thus they are also \_\_\_ but not necessarily \_\_\_.
  - A. parasitic, heterotrophic
  - B. heterotrophic, parasitic
5. Fungal identification and classification based on spores and their \_\_\_ are more distinctive than identification based on \_\_\_ alone.
  - A. sporangia, hyphae
  - B. gender, septa
6. The cultivated growth following inoculation of any nutrient media is called a:
  - A. culture
  - B. colony
7. Peptone is partially \_\_\_ protein that is used as a \_\_\_ of amino acids, nitrogen and carbon.
  - A. digested, source
  - B. coagulated, stabilizer
8. The Svedberg constant of the combined eucaryotic ribosome (60S and 40S subunits) is:
  - A. 80S
  - B. 100S
9. Mitochondria and chloroplasts are organelles that can:
  - A. replicate without the nucleus
  - B. live independently of the cell
10. To determine whether a test microbe metabolizes a certain substrate, we use a:
  - A. complex, nonsynthetic medium
  - B. minimal, synthetic medium
11. A colony on or embedded in solid media is pure if it is not touching a neighbor.
  - A. always true
  - B. usually true
12. Some \_\_\_ fungi are also \_\_\_.
  - A. saprobic, free-living
  - B. parasitic, pathogenic
13. In SIM medium, what does the I stands for?
  - A. iron sulfide
  - B. indole reaction
14. A few fungi are \_\_\_ but none are \_\_\_.
  - A. parasitic, photosynthetic
  - B. photosynthetic, parasitic
15. The basic distinction between a nutrient broth and solid media is in the absence or presence of a:
  - A. dissolving agent
  - B. solidifying agent
16. In general, gram \_\_\_ bacteria are inhibited by bile salts more than gram \_\_\_ enteric bacteria.
  - A. positive, negative
  - B. negative, positive
17. The term that describes fungi that are able to switch from unicellular to filamentous forms is \_\_\_.
  - A. metamorphic
  - B. dimorphic

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生物產業科技	日間部	三	普通微生物學	7月31日	11	共二頁 p2-2

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18. Broths, milks, or infusions are generally \_\_ media that remain \_\_ at refrigerator temperature.  
A. suspension, settled  
B. liquid, fluid
19. Agar is a complex \_\_ derived from \_\_, an edible red seaweed.  
A. lipoprotein, Eukary  
B. polysaccharide, *Gelidium*
20. Nutrient medium containing blood, serum, vitamins and growth factors needed for fastidious organisms is characteristic of:  
A. general purpose media  
B. enriched media
21. Although cellulose is found in both, chitin is the primary cell wall component of \_\_ whereas in \_\_, pectins, mannans, and minerals predominate.  
A. algae, fungi  
B. fungi, algae
22. The firmness or melting point of semisolid media and reversibly solid media is adjusted by:  
A. agar or gelatin concentration  
B. duration of heating
23. Subsurface hyphae that provide anchoring are called \_\_, and those that function for nutrient absorption are called \_\_.  
A. rhizoids, vegetative hyphae  
B. pseudohyphae, mycelia
24. A \_\_ may be described as a chain of buds formed by some species of yeast as part of their reproductive cycle.  
A. dimorphic hyphae  
B. pseudohyphae
25. Aside from plants and algae, this is yet another group of photosynthetic organisms:  
A. fungi  
B. cyanobacteria