



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF MICROBIOLOGY
MYCOLOGY (MCB 322)
SECOND SEMESTER EXAMINATION, 2016/2017 SESSION
SECTION B

Mat No.;

INSTRUCTIONS; Answer all questions

Time: 1HR

Matching; select from Column B the class of fungi that fits the description in Column A

- | Column A | Column B |
|---|----------------------|
| 1. Form ascospores | (a) Chytridiomycetes |
| 2. Common mushroom | (b) Zygomycetes |
| 3. "Imperfecti fungi" | (c) Ascomycetes |
| 4. Zygosporangium forms | (d) Basidiomycetes |
| 5. Form oospore | (e) Deuteromycetes |
| 6. Include the fermentation yeast | |
| 7. No known sexual cycle | |
| 8. Spore-bearing sexual structures | |
| 9. <i>Candida albicans</i> a member | |
| 10. Species causes ergot disease | |
| 11. Non septate hyphae with sporangiospores | |
| 12. Rhizoids for anchorage | |
| 13. Include Rhizopus | |
| 14. Include rust & smut fungi | |

Completion; Add the word or words that best complete each of the following statements

15. Those fungi which are biphasic occur as yeast or as _____
16. Fungi tolerates environments that are high in sugar and high in _____
17. Yeasts are notable for their ability to live in the presence or absence of _____
18. Where the bacterial spore is used for resistance, fungal spore is used for _____
19. Asexual spore formed within a sporangium are known as _____
20. Fungi display a mode of nutrition that is _____
21. The cell wall of fungi contains cellulose, chitin and polymers of glucose known as _____

22. Those hyphae that form the reproductive structures of the fungus are called _____
23. The typical shape observed in a common yeast cell is called _____
24. The metabolic process performed by yeast and used in the beer and wine industries is called _____
25. The sexual reproductive process of a fungus, the terms “male” and “female” are used interchangeably with the term _____
26. Fungi are separated into two major divisions, with the true fungi placed into the division _____
27. Budding is the type of reproduction used by _____
28. The fungus used to ferment soybeans to soy sauce, to modify steroids and in the production of organic acids is _____
29. The mushroom *agaricus* is safe to eat, but the poisonous mushroom belongs to the genus _____
30. All of the following are considered fungi except
31. Mushrooms b. Yeasts c. Molds d. Amoebas
32. Those fungi which are biphasic occur as yeast or as _____
33. Fungi tolerates environments that are high in sugar and high in _____
34. Yeasts are notable for their ability to live in the presence or absence of _____
35. Where the bacterial spore is used for resistance, fungal spore is used for _____
36. Asexual spore formed within a sporangium are known as _____
37. Fungi display a mode of nutrition that is _____
38. Yeasts are notable for their ability to live in the presence or absence of _____
39. The important feature in the reproduction of fungi is the
- a. Septa b. Spore c. Structure of the cell wall d. Type of Nutrition
40. Both blastospores and arthrospores are
- a. Types of sexual spores c. Produced by yeasts d. similar to bacteria
- b. Various kinds of asexual spores