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OLABISI ONABANJO UNIVERSITY
FACULTY OF SCIENCE

DEPARTMENT OF PLANT SCIENCE AND APPLIED ZOOLOGY
2012/2013 HARMATTAN SEMESTER EXAMINATION

COURSE CODE: PLS 305

COURSE TITLE: MYCOLOGY

TIME ALLOWED: 2 HOURS

INSTRUCTIONS: Attempt ANY FOUR questions

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1. With the aid of appropriate diagram, discuss the growth phases in fungi.

2. Discuss the different ways by which man benefits from fungi.

3. Draw the structural diagrams of Aflatoxin G₁ and B₁ produced by *Aspergillus flavus* and that of ergometrine from *Claviceps purpurea*

3b. List 7 types of fungal diseases in humans.

4. With the aid of structural diagrams, outline the process of starch digestion during fungal nutrition.

5a. What are psychrophilic, thermophilic, psychrotolerant, and thermotolerant fungi?

5b. What are the advantages and disadvantages of:

(i) Different media for fungal growth

(ii) Different techniques of measuring fungal growth.

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30 pages

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Psychrophilic, thermophilic

LACSD

Line art

Light Absorption/Scattering

Dry weight and these

