



## CRAWFORD UNIVERSITY

Faith City, Igbesa, Ogun State.

2015/2016 HARMATTAN SEMESTER EXAMINATIONS

COLLEGE: NATURAL AND APPLIED SCIENCES

PROGRAMME: MICROBIOLOGY

COURSE CODE AND TITLE: MCB 416 – MUSHROOM GROWING TECHNOLOGY

UNIT: 2

TIMES: 2 HOURS

INSTRUCTION: ANSWER FOUR QUESTIONS IN ALL, QUESTIONS ONE AND TWO ARE COMPULSORY.

1. Describe the following biological terms:
  - a) (i). Mushroom (ii). Vegetative mycelium (iii). Basidiocarp (iv). Rhizomorphs (v). Fairy rings (vi). Spore prints (vii). Annulus (viii). Morels (ix). Polymorphs (x). basidia
  - b) List three modern methods of identifying mushrooms.
  - c) Name four major groups of mushrooms that you know.
- 2a. Give a concise account of the economic importance of mushroom.
  - b. Write an essay on biology of mushroom.
- 3a. In your own opinion, are mushrooms friends or foes? Discuss.
  - b. In a tabular format, describe five toxins found in mushroom, state the fungus/ fungi producing the mushroom and symptoms produced by each of the fungus.
- 4a. Write an extensive note on mushroom cultivation under the following headings
  - b. Preparation of the substrate b. heat treatment c. spawn production d. fruiting e. harvesting.
- 5a. Give an account of Spawn production describing all the necessary steps involved
  - b. Write an essay on the identification of mushrooms.
- 6a. List three factors that must be kept in mind when siting a mushroom farm
  - b. Describe the mushroom farm lay-out.