

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI.
SCHOOL OF AGRICULTURE & AGRICULTURAL TECHNOLOGY,
DEPARTMENT OF ANIMAL SCIENCE & TECHNOLOGY
2008/2009 RAIN SEMESTER EXAMINATION

AST 502: SWINE PRODUCTION

Time Allowed: 3 hours.

INSTRUCTION: Answer any 5 questions. All questions carry equal marks.

- 1a) Identify the various classes of pigs and their appropriate rations/nutrient requirements that will enable them function at maximum capacity.
- b) Discuss the qualities you would look out for when buying gilts/sows and boars for your swine enterprise.

- 2) Write notes on the significance of the following in swine production:
 - a) Creep feeding
 - b) Cross fostering
 - c) Split weaning
 - d) Supplementary iron administration in piglets.

- 3a) Give detailed characteristics of a standard pig house for intensive pig production
- b) Highlight the features and uses of farrowing crates in pig management.

- 4a) Discuss the management measures necessary to ensure freedom of disease from a piggery
- b) Discuss the health conditions associated with the weaning period in a piggery unit.

- 5a) State five factors responsible for the dominant role of pork production in world meat production and trade.
- b) Discuss four factors responsible for low pork output in Nigeria.
- c) Highlight four principal features of
 - i. Large white
 - ii. Local/Indigenous breeds of pigs.

6. You have just accepted appointment as a Livestock Officer In-Charge of a newly established 10-sow pig farm. In not more than three pages, briefly explain the ten most important management practices you will put in place in order to successfully manage this pig farm in the first one year.