Bago University
Department of Zoology
Second Semester Examination, September 2019

Fourth Year (B.Sc)
(Zoology Specialization)
Answer ALL questions

Zool. 4116
Poultry Science and Management
Time Allowed: (3) Hours

I. State TRUE or FALSE to the following statements. **(10 marks)**

1. Both intensive and free range farming have animal welfare concern.
2. Battery cage provides hens with sufficient space to stand and walk.
3. If the birds don't feed balance, they might suffer malnutritious disease.
4. Around 22 to 24 birds per square meter are kept in indoor farm.
5. Land area depends on the number of birds to be raised in poultry farm.
6. The poultry industry plays a large part in the United States.
7. Infectious disease causing agents will spread through a flock very quickly.
8. A good example of protozoan diseases is coccidiosis of poultry.
9. Wild birds are likely to fly or move from one poultry farm to another.
10. Nearly any plant can be grown using the aeroponics process.

II. Complete the following statements with appropriate words. **(10 marks)**

1. Poultry are farmed in great numbers with ------ being the most numerous.
2. Antibiotic in feed or drinking water prevent ------ outbreak.
3. Beak trimming is a preventive measure for ------ and feather pecking.
4. Furnished cages are sometimes called ------- or modified cages.
5. Each chicken must have one square meter of ------ space for free range broilers.
6. The chosen area of poultry should get fresh and ------ free environment.
7. Farmers are labelled as 'Growers' or '------'.
8. *Salmonella* can be stressful on ------ production.
9. *Chlamydia* can be treated with ------.
10. Hydroponic type of planting to be successful, ------ things are required.

III. Answer ALL questions **(10 marks)**

1. State the critical of battery cage by animal welfare scientists.
2. Describe the term' beak trimming'.
3. Tabulate the five stages of layer operation.
4. State briefly about growth hormones.
5. List the key principles of poultry management.

IV. Answer ALL questions **(20 marks)**

1. State the yarding system in poultry farming.
2. Name the diseases found in poultry farming and describe any two of them.
3. Describe avian influenza.
4. Write a short note on the causes of infectious disease.

V. Answer ANY THREE questions **(30 marks)**

1. Explain about free range system in poultry farming.
2. Enumerate the consideration for making a poultry house.
3. Describe in detail about the growing stage in poultry production.
4. Discuss as far as you can on 'Aeroponics' or 'Hydroponics'.
5. State briefly on the respiratory consequences and excretory consequences in poultry farming.
6. List a number of factors that influence whether a bird will succumb to a disease and describe any three of them.

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