

STUDENT ID NO: \_\_\_\_\_

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UNIVERSITY OF GHANA

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DEPARTMENT OF TEACHER EDUCATION  
SCHOOL OF EDUCATION AND LEADERSHIP  
END OF YEAR ONE FIRST SEMESTER EXAMINATION 2021/2022

B. ED PROGRAM

TEIS 261: ENVIRONMENTAL EFFECT OF AGRICULTURE AND  
ENTREPRENEURSHIP

*Instruction:* Answer all questions in Section A and any three questions in Section B.

Time: 1 hour

SECTION A (20 MARKS)

1. The study of plant diseases is known as \_\_\_\_\_  
  - (A) Plant Pathology
  - (B) Plant Microbiology
  - (C) Plant Botany
  - (D) Plant Physiology
2. A disease such as anthrax affects both humans and animals. What do you call diseases that affect both humans and animals?  
  - (A) Bacterial Diseases
  - (B) Viral Diseases
  - (C) Fungal Diseases
  - (D) Zoonotic Diseases
3. A ..... of a disease shows the physical evidence of the presence of a pathogen.  
  - (A) Biotics
  - (B) Non-Biotics
  - (C) Sign
  - (D) Symptom

4. .... of a disease refers to a visible effect of the disease on a plant.  
(A) Therapy  
(B) Control  
(C) Sign  
(D) Symptom

5. Pathogens may cause diseases in plants by .....  
(A) Blocking the transportation of nutrients to the host  
(B) Consuming the contents of the host  
(C) Killing the metabolism of host  
(D) Strengthening metabolic activity of the host

6. This is a skill an entrepreneur needs to help him prepare a statement that shows the income and expenditure for an enterprise for a specific period.  
(A) Budgeting  
(B) Decision-making  
(C) Evaluation  
(D) Publicity

7. A ..... is any organism that causes damage to crops

- (A) Pest  
(B) Parasite  
(C) Saprophyte  
(D) Parasitoids

8. A farmer notices that his crops are attacked by insect pests. He decides to physically hand pick these insects from his farm. What pest control method is he applying?  
(A) Biological  
(B) Chemical  
(C) Cultural  
(D) Physical

9. The use of fungicides to control pests falls under the ..... method of pest control.  
(A) Biological  
(B) Chemical  
(C) Cultural  
(D) Physical

10. .... is a branch of agriculture which deals with the plant's cultivation that is directly used by humans for food, medicine, and aesthetic purposes or beautification  
(A) Agricultural Economics  
(B) Agronomy  
(C) Horticulture  
(D) Microbiology

11. Three principal reasons most often cited for the spread of diseases include the following except  
(A) Adequate supply of medicines  
(B) Improper management  
(C) introduction of new animals into a herd  
(D) poor sanitation

12. Antibiotics are used successfully to control \_\_\_\_\_  
(A) Bacterial Diseases  
(B) Fungal Diseases  
(C) Protozoan Diseases  
(D) Viral Diseases

13. Newcastle Poultry disease is caused by \_\_\_\_\_  
(A) Bacteria  
(B) Fungus  
(C) Protozoa  
(D) Virus

14. This is a bovine and avian disease caused by the tubercle bacilli \_\_\_\_\_

- (A) Anthrax  
(B) Coccidiosis  
(C) Tuberculosis  
(D) Whooping Cough

15. A disease episode requires the interaction of three components to occur. These three components are:

- (A) Antibiotics, Host and Pathogen  
(B) Antibiotics, Environment and Pathogen  
(C) Antibiotics, Environment and Host  
(D) Environment, Host and Pathogen

16. Slow growth, stunted plants, and chlorosis indicate that one of the following nutrients is deficient.

- (A) Iron  
(B) Nitrogen  
(C) Phosphorus  
(D) Sulphur

17. A ..... is a roadmap for your small farm

- (A) Assets Register  
(B) Balanced Sheet  
(C) Business Plan  
(D) Budget Statement

18. Water supply and quality are important ..... that must be considered to ensure fish welfare.

- (A) Abiotic Parameters  
(B) Biological Parameters  
(C) Chemical Parameters  
(D) Integrated Parameters

19. An ..... is a person who organises the other factors of production and undertakes the risks and uncertainties involved in production.

- (A) Economist  
(B) Engineer  
(C) Entrepreneur

(D) Evaluator

20. An ..... is a private or government enterprise that trades in agricultural goods and services  
(A) Agribusiness  
(B) Agriecology  
(C) Agritourism  
(D) Agroforestry

SECTION B

[20 Marks]

Answer both questions from Section B

1. (Define an off-farm agribusinesses and state 3 examples.  
[5marks])
2. Explain briefly the following concepts in Agriculture.  
(i) Entrepreneur  
(ii) Business Plan  
(iii) Pests  
(iv) Parasite  
(v) Nutrient deficiency