

C-1488
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Sub. Code
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80113
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**B.Sc. DEGREE EXAMINATION, NOVEMBER 2019**

**First Semester**

**Poultry Science**

**APPLIED AVIAN ANATOMY AND PHYSIOLOGY**

**(2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Walnut comb
2. Plumage
3. Larynx
4. Pneumatic bone
5. Ureter
6. Gizzard
7. Pineal gland
8. Bursa of fabricius
9. Oesophagus
10. Skin

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the respiratory system with diagram.

Or

(b) Explain the feather tracts in poultry with diagram.

12. (a) In halation and exhalation process in chicken.

Or

(b) Medullary bone and its functions.

13. (a) Structure of female reproductive system with diagram.

Or

(b) Formation of spermatozoa in chicken.

14. (a) Explain the egg structure with diagram.

Or

(b) Functions of pancreas and liver.

15. (a) Comb patterns in chicken.

Or

(b) Air sacs in chicken.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write in detail on the integumentary parts of chicken and feather patterns.

Or

- (b) Elaborate the nervous system in poultry with neat diagram.
17. (a) Write in detail on the principles of poultry behaviour and welfare.

Or

- (b) Write an essay on physiological standards in poultry.
18. (a) Elaborate on the immune system in poultry with a neat diagram.

Or

- (b) Write in detail on the digestive system of poultry with suitable diagram.

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<b>C-1489</b>
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<b>Sub. Code</b>
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<b>80114</b>
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**B.Sc. DEGREE EXAMINATION, NOVEMBER 2019**

**First Semester**

**Poultry Science**

**POULTRY PRODUCTION SYSTEMS, HOUSING,  
AUTOMATION AND EQUIPMENTS**

**(2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Backyard system
2. Broiler
3. Comfort zone
4. Deep litter house
5. Brooding
6. Debeaking
7. Full monitor roof
8. Automation
9. 'R' Value
10. Nest box

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Semi-intensive system of rearing in poultry farming.

Or

- (b) Concept of automation in poultry housing.

12. (a) Selection of site.

Or

- (b) Pen and run system of management.

13. (a) Environmentally controlled poultry house.

Or

- (b) Characteristics of good quality litter materials.

14. (a) Types of roof in poultry housing.

Or

- (b) Arrangement of brooder with neat diagram.

15. (a) Feeding equipment.

Or

- (b) Automation in poultry meat processing plant.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write in detail on the importance of poultry housing and equipment and shed lay out for broiler and layers.

Or

- (b) Applications of automation in poultry industry.
17. (a) Give a detailed answer on the fundamentals of ventilation in poultry housing and explain about duet ventilation system.

Or

- (b) Explain in detail about the raised platform poultry houses.
18. (a) Write in detail on automatic climate control system in poultry housing.

Or

- (b) Explain in detail on automation in poultry egg processing plant.

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