

**M.SC. Examination, 2017**  
**Semester-II**  
**Animal Science (Poultry)**  
**Course: PSC-514**  
**(Poultry Medicine & Preventive Measures)**

**Time: Three Hours**

**Full Marks: 50**

Questions are of value as indicated in the margin.

Answer **any five** questions

1. a) Describe vaccination schedule of poultry. 5  
b) Define disinfectant with examples. Classify disinfectant with mechanism of action. 5
2. a) Define probiotic with example. State the mechanism of action of probiotics. State the criteria for selection of probiotics in the poultry industry. 5  
b) Describe the potential effect of veterinary drug residue used in poultry production. 5
3. Write short note on (answer any four): 2.5×4=10  
a) Anticoccidial drug  
b) Monensin  
c) Terminal disinfectant  
d) Tylosin  
e) Fluoroquinolone
4. State the treatment of following (any four): 2.5×4=10  
a) Infectious Coryza.  
b) Brooder pneumonia.  
c) Chronic Respiratory Disease.  
d) Fowl cholera.  
e) Fowl Paratyphoid.
5. Differentiate between the following (answer any four): 2.5×4=10  
a) Bactericidal and Bacteriostatic.  
b) Taeniafuge and taeniocide  
c) Preventive therapy and therapeutic treatment.  
d) Prebiotic and probiotic.  
e) Immunostimulant and immunosuppressive.

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6. State the mechanism of action and dose of following drugs in poultry. (**Answer any four**) 2.5×4=10
- a) Albendazole
  - b) Piperazine
  - c) Enrofloxacin
  - d) Gentamicin
  - e) Cephalexin
7. State side effects of following drugs (**Answer any four**): 2.5×4=10
- a) Tetracyclines
  - b) Chloramphenicol
  - c) Neomycin
  - d) Carbon tetrachloride
  - e) Diamfenetide
8. Describe the treatment and preventive therapy of the following fungal diseases. (**Answer any four**) 2.5×4=10
- a) Aspergillosis
  - b) Mucormycosis
  - c) Candidiasis
  - d) Favus
  - e) Histoplasmosis

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**M.SC. Examination, 2018**  
**Semester-II**  
**Animal Science (Poultry)**  
**Course: PSC-514**  
**(Poultry Medicine & Preventive Measures)**

**Time: Three Hours**

**Full Marks: 50**

Questions are of value as indicated in the margin.

Answer **any five** questions

1. Define probiotic with example. State the mechanism of action of probiotic. Describe different probiotics used in poultry industry. 2 + 3 + 5 = 10
2. Describe vaccination schedule of Poultry. State the procedure following a disease outbreak. 5+5=10
3. Which are indicators of birds infected with following diseases (any four): 2.5×4=10
  - i) Ranikhet
  - ii) Gumboro
  - iii) Fowl cholera
  - iv) Coccidiosis
  - v) Pullorum disease
4. State the treatment of the following (any four): 2.5×4=10
  - i) Colibacillosis
  - ii) CRD
  - iii) Infectious Coryza
  - iv) Fowl Typhoid
  - v) Ulcerative enteritis (Quail Disease)
5. Write short notes on (any four): 2.5×4=10
  - i) Anticoccidial drug
  - ii) Iodophors
  - iii) Cephalixin
  - iv) Bacitracin
  - v) Tylosin
6. State the mechanism of action and dose of the following drugs in poultry (any four): 2.5×4=10
  - i) Levamisole
  - ii) Enrofloxacin
  - iii) Tetracycline
  - iv) Tylosin
  - v) Gentamycin
7. Differentiate between (any four): 2.5×4=10
  - i) Bactericidal and Bacteriostat
  - ii) Agonist and Antagonist
  - iii) Cephalixin and Cefotaxime
  - iv) Taeniophage and Taeniocide
  - v) Active transport and Passive Diffusion
8.
  - i) Define disinfectant. Classify disinfectant with mechanism of action. 5+5=10
  - ii) State the importance of options of Poultry drinking water sanitation.

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**M.SC. Examination, 2019**  
**Semester-II**  
**Animal Science (Poultry)**  
**Course: PSC-514**  
**(Poultry Medicine & Preventive Measures)**

**Time: Three Hours**

**Full Marks: 50**

Questions are of value as indicated in the margin.  
Answer **any five** questions

1. Define Bio security. State different components of bio security measures in poultry farm. 3+7=10
  2. Describe vaccination schedule for layer and broiler poultry. 5+5=10
  3. What are the common disinfectants used in poultry farm? State their mechanism of action. 5+5=10
  4. Describe importance of use of poultry drinking water sanitiser and different options. 5+5=10
  5. Describe aetiology, mode of transmission, symptom, post mortem lesion and preventive measures of Duck plague and Ranikhet disease. 5+5=10
  6. Write short note on (any four): 2.5×4=10
    - i) Carcass disposal
    - ii) Fumigation
    - iii) Chlorine dioxide
    - iv) Live attenuated vaccine deficiency
    - v) Biofilm
    - vi) Physical method of disinfection
    - vii) Thiamin
    - viii) Selenium deficiency
  7. Write down the mechanism of action and side effect of the following: 2.5×4=10
    - i) Tetracycline
    - ii) Gentamycin
    - iii) Chloramphenicol
    - iv) Neomycin
    - v) Enrofloxacin
    - vi) Erythromycin
    - vii) Cephalexin
    - viii) Amoxycillin
  8. Describe the characteristic post mortem lesion preventive and therapeutic treatment of the following diseases (**any four**): 2.5×4=10
    - i) Duck cholera
    - ii) Colibacillosis
    - iii) Pulum disease
    - iv) Chronic Respiratory Disease(CRD)
    - v) Coccidiosis
    - vi) Infectious coryza
    - vii) Fowl cholera
    - viii) Aspergillosis
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**M.SC. Examination, 2022**  
**Semester-II**  
**Animal Science (Poultry)**  
**Course: PSC-514**  
**(Poultry Medicine & Preventive Measures)**

**Time: Three Hours**

**Full Marks: 50**

Questions are of value as indicated in the margin.

Answer **any five** questions

1. Describe vaccination schedule in layer and broiler poultry. 6+4=10
2. What is bird flu? What is the mode of transmission of this disease in poultry? Write the characteristic symptoms, pathological lesion and preventive measures of the disease. 2+1+7=10
3. What is ranikhet disease? What is the mode of transmission of this disease in poultry? Write the aetiology, characteristic symptom, pathological lesion and preventive measures of the disease. 2+1+7=10
4. What is Bio-security? State the procedure following a disease outbreak. 3+7=10
5. Describe the characteristic post mortem lesion, preventive and therapeutic measures of the following diseases (**any four**) 2.5×4=10
  - i) Coccidiosis
  - ii) Colibacillosis
  - iii) Duck cholera
  - iv) Pulorum disease
  - v) Infectious coryza
6. Write short note on (**any four**) 2.5×4=10
  - i) Star grazing syndrome
  - ii) Cannibalism
  - iii) Exudative diathesis
  - iv) Egg drop syndrome
  - v) Visceral gout
  - vi) Brooder's pneumonia
7. Explain why (**any four**) 2.5×4=10
  - i) Clopidol act as coccidiostat
  - ii) Immunosuppression occurs in aflatoxicosis in poultry.
  - iii) Anticoccidials are almost universally used in broiler.
  - iv) Use of anticoccidials in layer and breeder birds is not as universal as that of broilers.
  - v) Tiamulin and ionophores should not be concurrently included as feed additive in poultry.
  - vi) Tetracycline should not be used with dairy products.
8. Write mechanism of action and adverse reaction of (**any four**) 2.5×4=10
  - i) Tetracycline
  - ii) Gentamycin
  - iii) Enrofloxacin
  - iv) Neomycin
  - v) Cephalixin
  - vi) Amoxycillin

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**M.SC. Examination, 2023**  
**Semester-II**  
**Animal Science (Poultry)**  
**Course: PSC-514**  
**(Poultry Medicine & Preventive Measures)**

**Time: Three Hours**

**Full Marks: 50**

Questions are of value as indicated in the margin.  
Answer **any five** questions

1. State the treatment of following (**any four**) 2.5×4=10
  - a) Infectious Coryza
  - b) Brooder Pneumonia
  - c) Chronic Respiratory Disease
  - d) Fowl Cholera
  - e) Fowl Paratyphoid
2. Differentiate between (**any four**) 2.5×4=10
  - a) Bactericidal and Bacteriostat
  - b) Agonist and Antagonist
  - c) Cephalixin and Cefotaxime
  - d) Taeniophage and Taeniocide
  - e) Active transport and Passive diffusion
3. What are the common disinfectants used in poultry farm? State their mechanism of action. 5+5=10
4. Describe aetiology, mode of transmission, symptom, post mortem lesion and preventive measures of Duck plague and Ranikhet disease. 5+5=10
5. What is Bio-security? State the procedure following a disease outbreak. 3+7=10
6. Write mechanism of action and adverse reaction of (**any four**) 2.5×4=10
  - a) Tetracycline
  - b) Gentamycin
  - c) Enrofloxacin
  - d) Neomycin
  - e) Cephalixin
  - f) Amoxycillin
7. Describe vaccination schedule of poultry. Describe the potential effect of veterinary drug residue used in poultry production. 5+5=10
8. Write short note on (**any four**) 2.5×4=10
  - a) Carcass disposal
  - b) Fumigation
  - c) Live attenuated vaccine
  - d) Anticoccidial drug
  - e) Cannibalism
  - f) Egg drop syndrome

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