

SRI VENKATESWARA UNIVERSITY

MINOR Subject: Zoology

w.e.f. AY 2023-24

Year	Semester	Course	Title of the Course	No.of Hrs /Week	No. of Credits
III	V	5	Poultry Management-I(Poultry Farming)	3	3
			Poultry Management-I(Poultry Farming) Practical Course	2	1
		6	Poultry Management-II (Poultry Production and Management)	3	3
			Poultry Management-II (Poultry Production and Management)Practical Course	2	1

SRI VENKATESWARA UNIVERSITY
Zoology (Minor)
SEMESTER-V
COURSE 5: POULTRY MANAGEMENT-I (POULTRY FARMING)

Theory _____ Credits:3 _____ 3hrs/week

SYLLABUS:

Unit1 Indian poultry Industry

- 1.1 Importance of poultry farming and poultry development in India.
- 1.2 Present status and future prospectus of poultry Industry

Unit-2 Scientific Poultry Keeping

- 2.1 Modern breeds of Chicken
- 2.2 Present day egg production lines-meat production lines

Unit-3 Diversified Poultry

- 3.1 Ducks and Geese- classification- rearing system - classification-advantages
- 3.2 Guinea fowls-guinea fowl farming in India-Production-varieties
- 3.3 Emu-rearing- Economical aspects -commercial products

Unit-4Desi Chickens:

- 4.1 Indigenous breeds and economical aspects of desi chicken
- 4.2 Indigenous breeds-Aseel-Chittagong-Kadakhnath-Bursa
- 4.3 Improved varieties in India –Giriraja- Vanaraja- Girirani- Kalingabrown, Gramapriya, Swarnandhra

Unit-5 Breeds from Central Avian Research Institute– Izatnagar

- 5.1 CARI Nirbheek- CARI- Shyama- HIT CARI(NakedNeckCross)
- 5.2 CARI- Priya Layer, CARI- Sonali Layer,
- 5.3 CARI BRO-VISHAL,CARI-RAINBRO,

REFERENCES:

1. Text Book of Poultry Science, PV Sreenivasaiah, Write and Print Publications,ISBNNo. 9788192970592, 8192970590
2. Poultry Science Practices, Nilothpal Ghosh,CBS Publication &Distributions, 2015
3. Principles of Poultry Science, 1996,CABPublishers, ISBN9780851991221
4. ATextBookofAnimalHusbandry,C.C.Banerjee,OxfordandIBH,PublishCo,ISBN: 9788120412606

Websources:

5. <https://www.drvt.in/p/e-books.html>
6. <https://byjus.com/biology/animal-husbandry-poultry-farming/>
7. https://www.helpforag.app/2018/02/livestock-production-and-management-lpm_14.html?m=1

SRI VENKATESWARA UNIVERSITY
MINOR subject : Zoology
VSEMESTER-W.E.F.2023-24

Course 5 :Poultry Management-I(Poultry Farming)

MODEL QUESTION PAPER

Time:3hours

Marks:75marks

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer any five of the following questions in Part A.

Part B consists of 5 Units. Answer one full question (A or B) from each unit (i.e., Q.No 9 from Unit – I, Q.No 10 from Unit – II, Q.No 11 from Unit – III, Q.No 12 from Unit – IV, Q.No 13 from Unit – V). Each question carries 10 marks.

PART-A

Answer any Five of the following question.

(5X5=25M)

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	

(P.T.O)

PART-B

Answer **All** The Questions. Each question carries 10 marks(5X10=50M)

9.	(A) OR (B)
10.	(A) OR (B)
11.	(A) OR (B)
12.	(A) OR (B)
13.	(A) OR (B)

SRI VENKATESWARA UNIVERSITY
MINOR subject : Zoology
SEMESTER-V
COURSE 5: POULTRY MANAGEMENT-I (POULTRY FARMING)

Practical

Credits:1

2hrs/week

SYLLABUS:

1. Different types of Poultry rearing(Students has to observe and draw the different types of poultry rearing systems)
2. Different types of poultry Housing-Models/Images/charts
3. Different layer breeds images/charts/Models(Observation of characters)
4. Types of broilers images/charts/Models(Identification of important Characters)
5. CARI breeds characters-images/charts
6. Nandanam breeds-images/charts(Identification of characters)
*** (This practical is 70 % (Web-based/virtual) 30% physical: student and teachers must browse the web for the specimens models – write down the important characters based on the web resources)

REFERENCES:

1. A Text Book of Animal Husbandry, C.C.Banerjee, Oxford and IBH, PublishCo, ISBN: 9788120412606
2. http://www.agritech.tnau.ac.in/expert_system/poultry/Poultry%20House%20Construction.html
3. <https://petkeen.com/best-chicken-breeds-for-eggs/>
4. <https://garden.decorexpro.com/en/hozajstvo/ptitsevodstvo/porody-brojlernyh-kur-s-foto-i-opisaniem.html>

Co-Curricular Activities:

a) Mandatory:

1. For Teacher: Training of students by the teacher in laboratory and field on the techniques of identification of layers, broilers and management practices in poultry.
2. For Student: Students shall individually visit a Poultry farm, make observations and report on the Rearing, Housing, Brooding, Feeding and water management activities. The student shall submit a handwritten Fieldwork/Project work Report on the observations along with pictures in the given format not exceeding 10 pages to teacher.
3. Max marks for Fieldwork / Project work Report: 05.
4. Suggested Format for Fieldwork/Project work: *Title page, student details, index page, details of place visited, observations made, findings and acknowledgements.*
5. Unit tests. (IE)

b) Suggested Co-Curricular Activities

1. Web resources – visiting the web sites of CARI-IZATNAGA
<https://cari.icar.gov.in> procuring additional information on the poultry breeds
2. Web resources- visiting the web site of NANADANAM
http://www.tanuv.ac.in/ipmmadhavaram_tech.html
3. Collection of additional data on different types of Poultry breeds
4. Seminar, Assignment, Group-discussion. Quiz, Collection of Material, Invited Lecture, Video preparation etc.

SRI VENKATESWARA UNIVERSITY
MINOR subject : Zoology
SEMESTER-V
COURSE 5: POULTRY MANAGEMENT-I (POULTRY FARMING)

Practical	Credits:1	2hrs/week
-----------	-----------	-----------

PRACTICAL MODEL QUESTION PAPER

Time:2hrs

Max.Marks:50

- | | |
|--|---------|
| 1. Observe and draw the given poultry rearing system | 10M |
| 2. Identify the following Images / charts. Write identification characters and
Draw the labeled diagram | 6x5=30M |
| A to F | |
| Any poultry houses/
layer breeds/
broiler breeds/
CARI breeds | |
| 3. Certified record | 10M |
| 4. Total | 50M |

SRI VENKATESWARA UNIVERSITY
MINOR subject : Zoology
SEMESTER-V
COURSE 6: POULTRY MANAGEMENT-II
(POULTRY PRODUCTION AND MANAGEMENT)

Theory

Credits:3

3hrs/week

SYLLABUS:

Unit-1 HEALTHCARE

- 1.1 Common poultry diseases: bacterial, viral, fungal, parasitic and nutritional deficiencies.
- 1.2 Vaccination schedule for commercial layers and broilers: factors that govern vaccination schedule; vaccination principles type, methods, pre and post vaccination care.
- 1.3 Disinfection: Types of disinfectants; mode of action; recommended procedure; precaution and handling.

Unit-2 ECONOMICS

- 2.1 Economics of layer and broiler production
- 2.2 Feasibility studies on poultry rearing- in context of small units and their profitability.
- 2.3 Export/import of poultry and poultry products.

Unit-3 BREEDER-FLOCK MANAGEMENT

- 3.1 Layer and broiler breeder flock management - housing & space requirements
- 3.2 Different stage of management during life cycle; Light management during growing and laying period, Artificial insemination.
- 3.3 Feeding: Feed restriction, separate male feeding. Nutrient requirement of layer and broiler breeders of different age groups.

Unit-4 BREEDER HEALTHCARE

- 4.1 Vaccination of breeder flock;
- 4.2 Common diseases of breeders (Infectious and metabolic disorders)-prevention.
- 4.3 Management principles of incubation.

Unit-5 HATCHERY PRACTICES

- 5.1 Factors affecting fertility and hatchability. Selection, care and incubation of hatching eggs. Fumigation; sanitation and hatchery hygiene.
- 5.2 Importance of hatchery records, break even analysis of unhatched eggs.

REFERENCES:

- 1. HVS Chauhan, S. Roy, Poultry Diseases, Diagnosis and Treatment, New Age International Publishers-2018

Webresources:

- 2. <https://www.drivet.in/p/e-books.html>
- 3. <https://byjus.com/biology/animal-husbandry-poultry-farming/>
- 4. https://www.helpforag.app/2018/02/livestock-production-and-management-lpm_14.html?m=1

SRI VENKATESWARA UNIVERSITY
MINOR subject : Zoology
VSEMESTER-W.E.F.2023-24

COURSE 6: POULTRY MANAGEMENT-II
(POULTRY PRODUCTION AND MANAGEMENT)

MODEL QUESTION PAPER

Time: 3 hours

Marks: 75 marks

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer any five of the following questions in Part A.

Part B consists of 5 Units. Answer one full question (A or B) from each unit (i.e., Q.No 9 from Unit – I, Q.No 10 from Unit – II, Q.No 11 from Unit – III, Q.No 12 from Unit – IV, Q.No 13 from Unit – V). Each question carries 10 marks.

PART-A

Answer any Five of the following question.

(5X5=25M)

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	

(P.T.O)

PART-B

Answer **All** The Questions. Each question carries 10 marks (5X10=50M)

9.	(A) OR (B)
10.	(A) OR (B)
11.	(A) OR (B)
12.	(A) OR (B)
13.	(A) OR (B)

SRI VENKATESWARA UNIVERSITY
MINOR subject : Zoology
SEMESTER-V
COURSE 6: POULTRY MANAGEMENT-II
(POULTRY PRODUCTION AND MANAGEMENT)

Practical

Credits:1

2hrs/week

SYLLABUS:

1. Poultry Viral diseases– Observation of histo-pathological slides
2. Poultry Fungal Diseases- Observation of histo-pathological slides
3. Poultry Bacterial Diseases- Observation of histo-pathological slides
4. Feasibility study of Poultry establishment: (Preparation of feasibility study report with given parameters)
5. Rearing of Layers–(Preparation of Flowchart
6. Rearing of broiler-Flowchart
7. Hatchery records-Model study/analysis-Report with modified data

REFERENCES:

1. HVS Chauhan, S. Roy, Poultry Diseases, Diagnosis and Treatment, New Age International Publishers-2018
2. Flowchart hatchery: <http://lms.tanuv.ac.in/mod/resource/view.php?id=45106>
3. Feasibility report: <https://www.manage.gov.in/stry&fcac/content/19.%20Project%20Report%20on%20Layer%20Poultry.pdf>

Co-Curricular Activities

a) Mandatory:

1. For Teacher: Training of students by the teacher laboratory and field on skills in different practices employed in poultry with regard to the disease management – analysis of poultry project-preparation of flow chart – Observation of Poultry records – computerization activities
2. For Student: students shall (individually) visit a Layer/ Broiler Poultry farming places (small scale/corporate), make observations on practices- resources – management and marketing - analysis and submit a handwritten Fieldwork/Project work Report of 10 pages with necessary images.
3. Max marks for Fieldwork/ProjectworkReport:05.
4. Suggested Format for Fieldwork/Project work: *Title page, student details, index page, details of place visited, observations made, findings and acknowledgements.*
- 6.(IE):Unit tests.

b) Suggested Co-Curricular Activities

1. Preparation of Poultry diseases charts
2. Preparation of feasibility report poultry establishment with different variables
3. Seminar, Assignment, Group discussion. Quiz ,Collection of Material, Invited Lecture, Video preparation etc.

SRI VENKATESWARA UNIVERSITY
MINOR subject : Zoology
SEMESTER-V
COURSE 6: POULTRY MANAGEMENT-II
(POULTRY PRODUCTION AND MANAGEMENT)

Practical

Credits:1

2hrs/week

PRACTICALMODELQUESTIONPAPER

Time:2hrs

Max.Marks:50

1. Prepare and draw the flow-chart of rearing of Layers/Broilers	10M
2. Identify the following histopathological slides / charts of Poultry viral (2) / bacterial (2) / Fungal (2) diseases.	6x5=30M
3. Certified Practical record	10M
Total	50M