

**CURRICULUM FOR POULTRY SCIENCE
IN UNDER GRADUATE DEGREE PROGRAMME
CBCS SYLLABUS SCHEDULE 2016 – 2017**

Semester	Course category	Title of the Paper	No. of Credits	HPW	Max. Marks			Total Marks
					I.A	End Exam	Total	
FIRST YEAR								
I	Paper-I (Theory)	Introduction to Poultry Science	3	3	20	40	60	100
	Paper-I (Practical)		2	2	-	40	40	
II	Paper-II (Theory)	Poultry Housing and Management	3	3	20	40	60	100
	Paper-II (Practical)		2	2	-	40	40	
SECOND YEAR								
III	Paper-III (Theory)	Poultry Nutrition and Physiology	3	3	20	40	60	100
	Paper-III (Practical)		2	2	-	40	40	
IV	Paper-IV (Theory)	Poultry Diseases and Control	3	3	20	40	60	100
	Paper-IV (Practical)		2	2	-	40	40	
THIRD YEAR								
V	GE-1 (Theory)	Backyard Poultry	4	4	20	60	80	120
	GE-1 (Practical)		2	2	-	40	40	
	Paper-V (Theory)	Poultry Immunology and Vaccination	3	3	10	40	50	80
	Paper-V (Practical)		1	1	-	30	30	
	Paper-VI (Theory)	Poultry Products and Technology	3	3	10	40	50	80
	Paper-VI (Practical)		1	1	-	30	30	
VI	GE-2 (Theory)	Principles in Egg Marketing	4	4	20	60	80	120
	GE-2 (Practical)		2	2	-	40	40	
	Paper-VII (Theory)	Poultry Entrepreneurship	3	3	10	40	50	80
	Paper-VII (Practical)		1	1	-	30	30	
	Paper-VIII (Theory)	Poultry Waste Management	3	3	10	40	50	80
	Paper-VIII (Practical)		1	1	-	30	30	
	SEC	Project Work	2	2	-	40	40	40
Summary of Credits			50	50	-	-	-	1000

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KAKATIYA UNIVERSITY
B.Sc. POULTRY SCIENCE SYLLABUS UNDER CBCS
(With effect from 2016-2017)
VI - SEMESTER
Paper – GE-2 (Theory)
PRINCIPLES IN EGG MARKETING

Max. Marks: 80

Unit-I

1. Mode of transportation.
2. Economics of egg marketing.
3. Diurnal dynamics in egg transportation.
4. Prevention of breakage during transportation.

Unit-II

1. To prevent the loss due to breakage.
2. Marketing regularity.
3. Formation of cooperative societies.
4. Financial support through insurance agencies.

Unit-III

1. Government subsidiaries and their role in promotion of poultry industries.
2. Technical support sponsored by government hatcheries.
3. Reasons for spoilage of eggs and remedies.
4. Storage of eggs by conventional methods.

Unit-IV

1. Proper utility of egg shell as a feed supplement.
2. Egg shell as a fertilizer.
3. Using of egg shell in making handicrafts.
4. Egg shell for sustainable quality.



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VI - SEMESTER
Paper – VII (Theory)
POULTRY ENTREPRENEURSHIP

Max. Marks: 50

UNIT-I: Poultry Extension

- 1.1. Extension Education –Principles of extension technique. Poultry extension –objectives and its role in poultry development programmes. Qualities of extension worker different poultry development programmes, their impact and future strategy.
- 1.2 Extension methodology and techniques. Handling audio-visual and their importance in poultry education programmes. Methods of effective communication.
- 1.3 Rural sociology-its impact, social institutions and their role in poultry development concept of socio-economic cultural change.
- 1.4 Nature and importance of marketing. Marketing process, communication media, methodology of survey and their assessment. Adoption process and factors influencing adoption.

UNIT-II: Poultry Marketing

- 2.1 Marketing channels for poultry and poultry products. Marketing societies and farmers co-operatives.
- 2.2 Formation of poultry co-Operative societies –their objectives and impact on social structure.
- 2.3 Salesmanship, qualities of a salesman. Advertising agencies and their role in acceptability of poultry products.
- 2.4 Pricing, demand and supply and its relationship with pricing. Effect of season.

UNIT-III: Poultry Economics

- 3.1. Economics of egg production. Economic of broiler production. Factors affecting economic returns.
- 3.2 Economics of poultry production and its relationship with national economy. Benefits and limitation of poultry farming.
- 3.3 The role of poultry products sale points in efficient marketing.
- 3.4 Poultry farm records, inventory receipt and expenditure.

UNIT-IV: Poultry Insurance and Financial Management

- 4.1 Specific forms for maintaining feed, flock, strength, mortality, incubation, performance and health records
- 4.2 Accountancy financial statement of profit and loss. Model scheme for setting up of a layer/broiler farm of various sizes
- 4.3 Importance of poultry insurance. Some e.g. of Financial institutions involved in support of poultry programme



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PRACTICALS

Max. Marks: 30

1. Preparations of communication materials such as posters, charts, Bulletin, boards and films.
2. Handling of audio-visual aids.
3. Organization of poultry exhibition in rural and urban areas.
4. Conducting group discussions, meetings to educate village farmers and arranging demonstrations
5. Familiarizing with local marketing channels of poultry and poultry products.
6. Preparation of a flow diagram showing steps required for formation of co-operative societies.
7. Calculation of economics of broiler production
8. Calculation of economic of cockerel production
9. Calculation of cost of preparation of egg and meat products
10. Study of registers and accounts
11. Preparations of insurance schedule.



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B.Sc. POULTRY SCIENCE SYLLABUS UNDER CBCS
(With effect from 2016-2017)
VI - SEMESTER
Paper – VIII (Theory)
POULTRY WASTE MANAGEMENT

Max. Marks: 50

UNIT-I: Poultry Litter

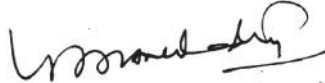
- 1.1 Poultry litter- Bedding materials.
- 1.2 Importance of poultry farm pollution.
- 1.3 Value of poultry manure.

UNIT-II: Poultry Litter Management and Practices

- 2.1 Moisture management methods.
- 2.2 Litter re-utilization methods.
- 2.3 Litter amendments.
- 2.4 Acidifiers and other amendments.

UNIT-III: Disposal and Uses


- 3.1 Methods of disposal of faecal material.
- 3.2 Types of uses of faecal materials.
- 3.3 Environmental advantages due to use of poultry litter.


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PRACTICALS

Max. Marks: 30

1. Preparation of Manure and spreading on cropland or green land.
2. Composting of litter.
3. Preparing fuel from faecal material.
4. Preparing fertilizer from poultry litter.
5. Demonstration of litter and cage rearing systems
6. Feed equipments and maintenance; hammer mill, mixture, pellet mill-types, principle of working, comparison of different types, premix preparations, quality control of raw materials.
7. Feed mill operation. Demonstration of different types of feeder, waterer, fogger, sprinklers etc.


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REFERENCE BOOKS

1. Mack O. North or Donald D. Bell, 1990. Commercial Chicken Production Manual (fourth edition). Van Nostrand Reinhold –New York.
2. Curtis, S. E. 1983. Environmental Management in Animal Agriculture. Iowa State University Press, Ames, IA.
3. Moreng, R. W., and J. S. Avens, Poultry Science and production. Reston Publishing Co., Reston, VA.
4. P.C. Panda, 1995. Egg and Poultry Technology. Vikas Publishing House.
5. B. Mahapatra and S. C. Panda, 1989. Poultry Production. Indian Council of Agricultural Research Press.



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