Chattogram Veterinary and Animal Sciences University MS in Poultry Science Final Exam-2023

Semester: July- December-2023

Subject: Biochemistry of Egg-Theory

Course Code: BCE-602; Total Marks: 40; Time: 2 hours

[Ans	wer any five of the following questions including question 1; Figures in the right m indicate the full marks]	argin
1.	a) 'Egg is a superfood or incredible nutrient power house' -justify	4.0
*	b) Discuss the chemical composition of poultry egg	4.0
2.	a) What is egg quality? Discuss how egg quality can be assessedb) Cite the nutrient amount found in egg that can fulfil the protein need of human leach day	6.0 being 2.0
3.	 a) Write the eggshellformation mechanism, and discuss the microscopic compositegshell b) Write the nutritional requirements for the optimization of eggshell 	tion of 6.0 2.0
	Define eggpréservation. State commercial methods of preserving poultry eggs	8.0
5.	inverse to the first term of t	
6.	Protest Attended to the Contract of App brotest Attended to the Contract of th	4.0
	b) Mention the functional properties attributed to egg proteins in food systems	4.0
. Giv	we a short note -any five of the following: (1.6×5)	8.0
4 (2) 3 (3)	a) Organic egg	. į
	b) Egg fallacy	1,5
	c) Anti-nutritional factors of eggs d) Brown egg versus white egg	ξ)
	e) Balut f) Microbiological impact on the spoilage of egg	

Chatttogram Veterinary and Animal Sciences University MS in Poultry Science Final Exam-2023 Semester-July-December-2023

<u>Subject:</u>Poultry Feeds and Feeding -Theory Course Code: PFF-602; Total marks: 40; Time: 2 hours

[Answer any five of the following questions including question 1; Figures in the right man indicate the full marks]	rgin
1.a) Define diet, feed grade, medicated feed, balanced diet & unconventional feed	2.0
b) State the nutritional challenges that we are and our next generation will confront	6.0
 2. a) Define feed supplements and additives. State different sorts of additives used in poultry b) Discuss the pre-requisites for the formulation of poultry diet 	4.0
3. a) What is IP6?	2.0
b) Discuss the limiting factors present in poultry feeds and the process of elimination	6.0
 4.a) What is biological value? State the physical, biological, and chemical processes of evaluating poultry feedstuffs b) Calculate the amount of feed and price needed to feed 1200 layers up to pre-laying stage 	6.0
5. a) Define vitamins & pro-vitamins. State the nutritional disorders in poultryb) Distinguish between fat-soluble and water-soluble vitamins	6.0 2.0
6.a) What is choice feeding? State the factors that affect the choice feeding of poultry.	3.0
b) Discuss the inter-relationship of minerals and vitamins	5.0
7. Write a short note: Any four of the following $(4 \times 2) =$	8.0
a) Nutritional management of layer during heat stress	,) (,
b).Gizzerosine	i, j
c) Nature and nurtureinteraction on poultry	
d). Protein concentrate	(r-ij
e) Premix	, i
f) Feeding standard	i. Ç. Vê
g) Calorie protein ratio	.,
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Primare C. C. C. C. J. Com C. Christe March 1988 (1988)	n.
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MSc. Poultry Science

Final Examination 2023

Course: Parent stock and commercial broiler management

Total marks:40

Time: 2 hours

(Answer all of the questions. All questions are of equal marks).

- 1. Give a plan for production of 880000 commercial broiler monthly.
- 2. How would you plan for hatch of 850000 day old broiler monthly?

- 3. Write in detail of management and biosecurity practice in broiler breeder farm.
- 4. Write importance of vaccination. Give vaccination schedule in broiler breeder farm from day old to all out.



MSc Poultry Science

Final Examination 2023

Course: Parent stock and commercial layer management

Total marks:40

Time 2 hours

(Answer all of the questions. All questions are of equal marks).

- 1. Give a plan for production of 10000 table eggs daily.
- 2. How would you plan for hatch of 8000 chicks weekly?
- 3. Write in detail of management practices in a parent stock farm.
- 4. Give vaccination schedule and biosecurity program in a layer farm



Chattogram Veterinary and Animal Sciences University MS in Poultry Science Final Exam-2023 --(July-December) Subject: Poultry Behaviour and Welfare -Theory Course code: PBW-602; Total marks: 40; Time: 2 hours [Answer any five questions including 4, each having equal marks; Figures in the right margins indicate full marks]

1. What is poultry behavior and welfare? State the importance of poultry behaviour	rand
welfare	7.0
b). Mention the five main things of poultry welfare	1.0
2 Discuss the brooding, breeding and social behaviours of poultry	8.0
3. Enlist the factors that govern the behaviour of the poultry. Write down the consequence	sof
poultry behaviour during heat-stress condition	8.0
4. a) Enlist the vices of poultry.	2.0
b) What is injurious pecking behaviour of poultry? Discuss the factors that affect the	
this behaviour of poultry and ways to remove this behaviour	6.0
5. Discuss the threats that wildfowl face and the potential solutions to these threats	8.0
6. Discuss why poultry welfare is important in a captive/intensive condition of rearing	8.0
7. Discuss how poultry welfare can be improved beyond just using of legislative rules or	; }
regulations: in a line in the line is a line of the line of th	8.0
8. Write short note: Any four of the following: $(2 \times 4) = -$	8.0
a) Courtship and broodiness	, i
D. Cannipansin	5.U
c. Preening	
d. Roosting and perching	4.,
e. Pecking and the peck order	
f. Factors governing behaviour responses	
g. Beak trimming	
h. Concept of poultry welfare	#s.f.1

Chattogram Veterinary and Animal Sciences University MS in Poultry Science Final Exam-2023 -- (July-December)

Subject: Hatchery Operation and Management-Theory

Course code: HMT-602; Total marks: 40; Time: 2 hours

[Answer any five questions with the 1; Figures in the right margin indicate the full marks]]

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1. a) What is hatchery supply flock? Discuss the different steps of hatchery operation for	or the
production of DOC	5.0
b) What is challenge feeding, SSF and phase feeding? Cite the breeder male	TE A
management system in a breeding flock	3.0
2.a) What is uniformity? Why uniformity maintaining in a breeder flock is important?	4.0
b) State the control feeding systempracticed in a breeder flock	4.0
3. Define hatchability and fertility. Discuss briefly the factors that affect the fertility & hatchability of egg	8.0
4. What is a quality chick? Discuss the methods with which you can evaluate quality ch	nick 8.0
5. State the events of embryonic development of chick and hatching failure	8.0
6. Discuss the selection and care of hatching egg	8.0
7. What is fumigation and hatchery wastage? Discuss the sanitary and hygienic mana	gement of
an ideal hatchery	8.0
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