



FIJI NATIONAL UNIVERSITY
College of Agriculture, Fisheries & Forestry
School of Veterinary Science and Animal Husbandry
Department of Veterinary Science
B.V.Sc & A.H. Year 3
Trimester 2 Final Examination – 2017

LPT 702: Abattoir Practice and Animal Product Technology

Time Allowed: 3.00 hours plus (10 minutes reading time) Total Marks: 50

INSTRUCTIONS:

1. This paper consists of six pages including two pages Answer Sheet.
2. Please check to see that all your paper is complete.
3. Answer all the Objective Type Questions on the Answer Sheet and Descriptive Type Question in the Answer Booklet only.
4. The Answer sheet of the objective Type Questions will be collected **45 Minutes** after the start of Examination.
5. **No** written or printed material and mobile phones are allowed in the examination hall
6. Marks allocated for each question appears at the side of each question so allocate your time accordingly.
7. This paper is divided into Two Parts. First Part contains Objective Type Questions, which is having four Sections – A, B, C, and D. All questions of this part are compulsory. Second part is Descriptive Type, which is having eight (8) questions. Attempt only any six questions from this part.

I. OBJECTIVE TYPE QUESTIONS (20 Marks)

To be answered only on the Answer Sheet.

Section A: Fill in the blanks. (5 Marks)

Section B: Multiple-choice Questions. (5 Marks)

Section C: Matching type. (5 Marks)

Section D: Write True or False. (5 Marks)

II. DESCRIPTIVE TYPE QUESTIONS (30 marks)

There are **eight (8)** descriptive type questions provided, please **attempt any Six (6) questions only** and write on the Answer Booklet. Answer every question from a new page to facilitate evaluation.

Student ID No.:.....Date.....

I. OBJECTIVE TYPE QUESTIONS

Note: Answer only on the Answer Sheet and return 45 minutes after the start of Examination.

Time: 45 Minutes

Total Marks: 20

A. Fill in the blanks

(10x0.5=5 Marks)

- 01. Fibre _____ makes wool feel springy and provides insulation by trapping air.
- 02. Spreading washed and dried wool in preparation for further processing is called _____.
- 03. Skin of an animal with the fur or hair still on it is called _____.
- 04. Pure wool is mainly composed of an insoluble protein _____.
- 05. Most of the abattoirs have _____ plants for the treatment of condemned material.
- 06. _____ is the pork tapeworm found in most parts of the world where pork is eaten.
- 07. Bone collagen is called _____ which is the main constituent of the organic matter.
- 08. Skin of an unborn calf is known as _____.
- 09. In general the grade of an animal is determined on the basis of three grades factors i.e conformation, _____ and finish .
- 10. A potassium salt produced by the sweat gland that is usually source of odor associated with sheep is called _____.

B. Multiple-choice questions: Select the correct answer.

(10x0.5=5 Marks)

11. Natural waviness of the wool fiber

A.	Kemp	B.	Med
C.	Suint	D.	Crimp

12. Hogget Wool is the one obtained from the sheep which are

A.	12-14 months old		More than 14 months old
C.	Dead animals		6-8 months old

13. Glands and secretions associated with wool fiber production

A.	Sebaceous glands	B.	Yolk
C.	Sudoriferous (sweat) glands	D.	All of the above

14. The recommended water requirement for slaughter of sheep

A.	272 liters/day	B.	136 liters/day
C.	454 litres/day	D.	45 liters/day

15. Measuring unit for casings

A.	Meters	B.	Hanks
C.	Yards	D.	All of above

16. Back fat thickness in pork is measured at the level of

A.	1 st rib	B.	7 th rib
C.	Last rib	D.	1 st lumbar vertebra

17. Softest coat cloth in the world

A.	Vicuna	B.	Mohair
C.	Alpaca	D.	Cashmere

18. Youthful Carcasses

A.	Cutter and canner	B.	Commercial
C.	Utility	D.	None of the above

19. Absent in true wool fiber

A.	Epidermis	B.	Cortex
C.	Medulla	D.	None of above

20. Skin of an unborn calf

A.	Kip	B.	Slunk
C.	Hide	D.	Skin

C. Match the following:

(10x0.5=5 Marks)

21.	Organic Fertilizer	A.	Tuberculosis
22.	Calcined bone	B.	Blood
23.	Fisting	C.	Rabbits
24.	Mesenteric lymph nodes	D.	Environment pollution
25.	Yolk	E.	Natural detergent
26.	BOD value	F.	Grading of pork
27.	Suint	G.	Cholesterol
28.	Cystine	H.	High class Pottery
29.	Back fat thickness	I.	Flaying of sheep
30.	Angora wool	J.	Sulphur

D. Write 'True' or 'False'. (10x0.5=5 Marks)

31.	Tripe is a type of edible lining from the stomachs of various farm animals mostly cattle.	
32.	Pulled wool is obtained from the skins of slaughtered and dead animals.	
33.	Hides removed from slaughtered animals are known as fallen hides.	
34.	Stunning is not permitted in Halal method of slaughter.	
35.	Lax refers to poor quality wool from bellies and edges.	
36.	Lactic acid production during rigor mortis reduces tenderness and keeping quality meat.	
37.	Merino sheep originated in Spain yields the best quality wool.	
38.	Mechanical stunning is mostly used in pig slaughter.	
39.	Suint and grease combine to form the "yolk" in wool that is responsible for the yellow color in fleece.	
40.	Scouring the technical term for washing of the wool.	

II. Descriptive type Questions

(30 Marks)

Note: Attempt Any SIX Questions Only. All carry equal FIVE (5) marks.

1.	Describe development and types of wool follicle.	(5)
2.	Describe slaughter and dressing of poultry in detail.	(5)
3.	Describe various defects of skin and hides.	(5)
4.	Blood as abattoir byproducts.	(5)
5.	Describe various impurities in raw wool.	(5)
6.	Describe the main departments of an abattoir.	(5)
7.	Principals of HACCP and steps in implementation of HACCP concept.	(5)
8.	Describe various steps in processing of wool in detail.	(5)

The End

XXXXXXXXXXXX

Date: Marks obtained:

Name: Student I D No.:

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I. Objective Type Questions - Answer Sheet

Time: 45 Minutes

Total Marks: 20

A.	1.		
	2.		
	3.		
	4.		
	5.		
	6.		
	7.		
	8.		
	9.		
	10.		
B.	11.		
	12.		
	13.		
	14.		
	15.		
	16.		
	17.		
	18.		
	19.		
	20.		

C.	21.		
	22.		
	23.		
	24.		
	25.		
	26.		
	27.		
	28.		
	29.		
	30.		
D.	31.		
	32.		
	33.		
	34.		
	35.		
	36.		
	37.		
	38.		
	39.		
	40.		

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