

**FIJI NATIONAL UNIVERSITY****College of Agriculture, Fisheries & Forestry****Department of Animal Science****Bachelor Veterinary Science and Animal Husbandry-Year 2****Trimester 2 Final Examination - 2017****[LPM 601] –Livestock Production Management-IV****Time Allowed: 3.00 hours plus (10 minutes reading time)****Total Marks: 100****INSTRUCTIONS:**

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

**I. OBJECTIVE TYPE QUESTIONS (50 Marks)**

- Section A: Fill in the blanks. (20 Marks)  
Section B, Matching (10 marks)  
Section C: Short Answers (20 Marks)

**II. A. DESCRIPTIVE TYPE QUESTIONS (50 marks)**

There are eight (8) descriptive type questions provided, please attempt any five (5) questions only and write on the Answer Booklet. Answer every question from a new page to facilitate evaluation.

**I. OBJECTIVE TYPE QUESTIONS****A. Fill in the blanks.****(20x1=20 Marks)**

1. The \_\_\_\_\_ pen is the most important pen on the farm. It has to be designed in such a way that the right temperature is provided for the sow and her \_\_\_\_\_ during the first 7 to 10 days after birth.
2. The creep is important because it helps to reduce \_\_\_\_\_ as a result of crushing. It also provides a \_\_\_\_\_-free area where the piglets heat one another.
3. \_\_\_\_\_ is the amount of \_\_\_\_\_ an animal will be given in 24 hours.
4. Diet is the \_\_\_\_\_ and amount of feeds in a complete \_\_\_\_\_.
5. Sows and gilts are generally hand-fed \_\_\_\_\_/hd/d during the first \_\_\_\_\_ of gestation.
6. Swine producers often add fiber to the gestation diet just \_\_\_\_\_ farrowing and/or \_\_\_\_\_ lactation.
7. Constipation can be treated by using \_\_\_\_\_ in the \_\_\_\_\_.
8. To maximize sow \_\_\_\_\_ intake, she wants the room kept as \_\_\_\_\_ as possible.
9. If the room is kept too \_\_\_\_\_ for the piglets, they will huddle with the sow, increasing the risk of being \_\_\_\_\_.
10. \_\_\_\_\_ temperature discourages feed intake; \_\_\_\_\_ temperature encourages feed intake.

**B. Matching****(10 X 1 = 10 MARKS)**

	ITEM		ANSWERS
1	Breeding	A	3-10 weeks
2	Gestation	B	Under the skin
3	Conventional shed	C	about 16 weeks
4	Straw based "ecoshelter"	D	Massage
5	Weaner	E	1 week after weaning
6	Grower/finisher	F	> 20% CP
7	Subcutaneously	G	13CP - 18% CP
8	Wisping	H	10-25 weeks
9	Starter ration	I	Capital cost high
10	Weaning ration	j	Capital cost low

**II. C. A. Short Answer Questions****(20 Marks)**

Answer on answer booklet.

1.	Discuss disadvantages of raising pig in confinement.	(2)
2.	Discuss the types of floor in pig housing.	(2)
3.	What is an amino acid?	(2)
4.	Discuss farrowing.	(2)
5.	Discuss grooming of horses.	(2)
5.	Discuss flushing.	(2)

**B. Descriptive Questions****(50 Marks)**Note: Attempt Any FIVE Questions Only. All carries equal TEN (10) marks.

1	Discuss the overview of Fiji's Pig Industry taking into account the Import and Export market.	(10)
2	Describe the three adverse conditions that need to be considered when raising pigs.	(10)
3	a) Social/Religious/Cultural condition	(10)
4	b) Environment	(10)
4	c) Climatic	(10)
5	Calculate the Digestible energy requirement of a 350lbs and 420lbs sows. (DE = 100 kcal of DE/kg of body weight <sup>75</sup> )	(10)
6	Sketch and explain a life cycle feeding with its objectives.	(10)
7	Describe the management aspects gilts and dry sows.	(10)
8	Describe the management aspects of a boar.	(10)