

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AGA 230

Department of Animal Science
BSc. Agricultural Science (Honours) Part II Examination

Applied Animal Physiology

3 HOURS (100 Marks)

EPa

INSTRUCTIONS

Answer any **FOUR** questions. Each question carries **25 marks**.

1. Complete the following table:

Source	Hormone	Major functions	Marks
.....	Oxytocin	.....	[3 Marks]
.....	Antidiuretic Hormone (ADH)	.....	[3 Marks]
Testis	Testosterone	.....	[4 Marks]
.....	Progesterone	.....	[3 Marks]
.....	Gastrin	.....	[4 Marks]
Ovary	Relaxin	.....	[4 Marks]
.....	Oestrogen	.....	[4 Marks]

2. Discuss how pre-slaughter stress affects meat quality. [25 Marks]
3. Discuss thermoregulation in caprine testis. [25 marks]
4. Explain how Cortisol concentration and Creatine Kinase level provide measures of stress in slaughter animals. [25 Marks]
5. With the aid of a diagram discuss the role of the kidney in urine excretion. [25 Marks]
6. Describe the role of blood in animals. [25 Marks]

End of Paper