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NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF AGRICULTURAL SCIENCES DEPARTMENT OF ANIMAL SCIENCE AND FISHERIES

COURSE CODE: COURSE TITLE: CREDIT UNIT: TOTAL SCORE: TIME ALLOWED: INSTRUCTIONS:	ANP309 Analytical Technique For Animal Production 2 Credit Units 70 MARKS 2 HOURS ATTEMPT QUESTION 1 (COMPULSORY) AND THREE QUESTIONS	ANY OTHER
 Q1a Define Artificial Insemination b State any four (4) benefits of Artificial Insemination. c. What are the limitations associated with Artificial Insemination? d. List and explain factors that enhance semen collection. 		2 marks 4 marks 5 marks 14 marks
ii. Net Protein Utilization 5		7 marks 5½ marks 2½ marks
i. pH of fresh semii. Semen concentriii. Colour and appoQ4a Define Digestib	en ration	<mark>4 marks</mark> 7 marks 4 marks 3 marks 12 marks
Q5 Describe the fola. The use of Electb. The use of artific	-	<mark>7 marks</mark> 8 marks
b. What are the pro-	ties of enzymes. otocols for the extraction of of enzymes? derstand by column chromatography?	5 marks 5 marks 5 marks