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## NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF AGRICULTURAL SCIENCES DEPARTMENT OF ANIMAL SCIENCE AND FISHERIES POP EXAMINATION 2021\_2

COURSE CREDIT TOTAL S TIME AL	
Q1a <b>b</b>	Define carbohydrates and glycogenesis Give an overview of the major pathways of carbohydrate metabolism, emphasizing the fate of glucose but also indicating the sites of entry of galactose and fructose into the pathways
c	Describe the Kreb's cycle. 25 marks
Q2a b	Define simple proteins. State and explain the examples of simple proteins. <mark>15 marks</mark>
Q3	Write short note on the following:(i)Transamination(ii)Oxidative deamination15marks
Q4a b	Give the functions of lipids. Enumerate the factors affecting absorption of lipids. 15marks
Q5	Explain the stepwise reaction involved in the production of ketone bodies using word equations only.15 marks
Q6	Write short notes on the following:(i)Glycogen(ii)Lactose(iii)Sucrose15marks