

Please check whether you have got the right question paper.

- N.B:**
1. All question are compulsory.
 2. Figures to the right indicate full marks.
 3. Draw neat and labelled diagrams wherever necessary

Q. 1	Write an account of intracellular and extracellular digestion.	15
	OR	
Q. 1	Describe :	
	a) Metabolic pathways involved in Krebs cycle.	07
	b) Energetic of nitrogenous waste products.	08
Q. 2	With reference to human perspective describe haemodialysis and peritoneal dialysis.	15
	OR	
Q.2	Explain:	
	a) Selective distribution of blood flow.	07
	b) Kidney stones and kidney transplants.	08
Q. 3	Describe asexual reproduction, regeneration, parthenogenesis and gynogenesis.	15
	OR	
Q. 3	Explain:	
	a) Hormonal regulation of pregnancy and lactation.	07
	b) Evolution of gametes and maternal DNA.	08
Q. 4	Describe neuroendocrine system and classical endocrine system.	15
	OR	
Q. 4	Explain:	
	a) Bioluminescent systems.	07
	b) Modality and sensory coding.	08
Q. 5	Write short notes on:-	
	a) Surface nutrient absorption.	05
	b) Peripheral circulation in invertebrates.	05
	c) Membrane potential.	05
	OR	
Q. 5	Write short notes on:-	
	a) Bulk movement and peristalsis.	05
	b) Water vapour in air and water absorption.	05
	c) Mechanoreception.	05