[This question paper cont	tains 2 printe	ed pages.]	
Sr. No. of Question Paper	: 8622	C	Roll No
Unique Paper Code	: 223301		
Name of the Paper	: ZOHT-30	4 : Animal Physiology and	Functional Histology–l
Name of the Course	: B.Sc. (Hor	ns) Zoology	
Semester	: m		
Duration	: 3 Hours		
Maximum Marks	: 75		-
		mediately on receipt of th	sis question nance
·	_	mediately on receipt of th	us question paper.)
Instructions for Candidates Question no.1 is compulso		anv four of the remaining	sir auestions
		•	su questions.
Q1. (A) Define the following	ing in one, br	ief sentence each:	
1. Trophic hormone			
2. Parturition			
3. Treppe			
Chromatolysis			
5. Motor unit			(5)
(B) Differentiate the f	ollowing pair	rs of terms :	
1. Isometric & isoton	nic contraction	ns	
2. Intrafusal & extraf	fusal muscle f	fibres	
3. EPSP and IPSP			
4. Type I and Type II	I Diabetes me	ellitus	
Spongy and Comp	act bone	<u>.</u>	(15)
(C) Fill in the blanks:			
1 cells f	form myelin s	sheath around neurons of P	eripheral Nervous System.
2 is the alternative energy rich phosphate compound in skeletal muscle.			oound in skeletal muscle.
3 is a flu	id connective	e tissue.	
4 is an e	xample of ex	citatory neurotransmitter.	
The expanded for	m of GnRH is	s	
6. Red bone marrow			•
		le in the ovary is known a	s . (7)

Q2.	Make a detailed, flow-sheet diagram to illustrate skeletal muscle structure fit to micro level. Annotate your diagrams with suitable description (notes) wh			
	necessary. Please make only simple, outline diagrams.	(12)		
Q3.	Compare the major changes in the ovary, uterus and their hormonal regulation du female reproductive cycle.	ring the (12)		
Q4. -	 (i) Provide a detailed account of the events taking place during the passage of impulse through a chemical synapse. (ii) Explain the mode of transmission of an impulse over a medullated neuron. (6+6) 			
Q.5	(i) How does pancreas regulate the normal level of glucose in the blood?(ii) What do you understand by negative feedback mechanism?	(9+3)		
Q6	(i) Draw a well-labelled diagram of the T.S.of a Mammalian bone.(ii) Explain briefly the physiology of hearing.	(4+8)		
Q7.	Write short notes on any three of the following:			

1. Rigor mortis.

2. Hypothalamo-hypophyseal portal system.

3. Retinine-Rhodopsin cycle.

4. Muscular dystrophy.

5. Neurotransmitter. (4+4+4)