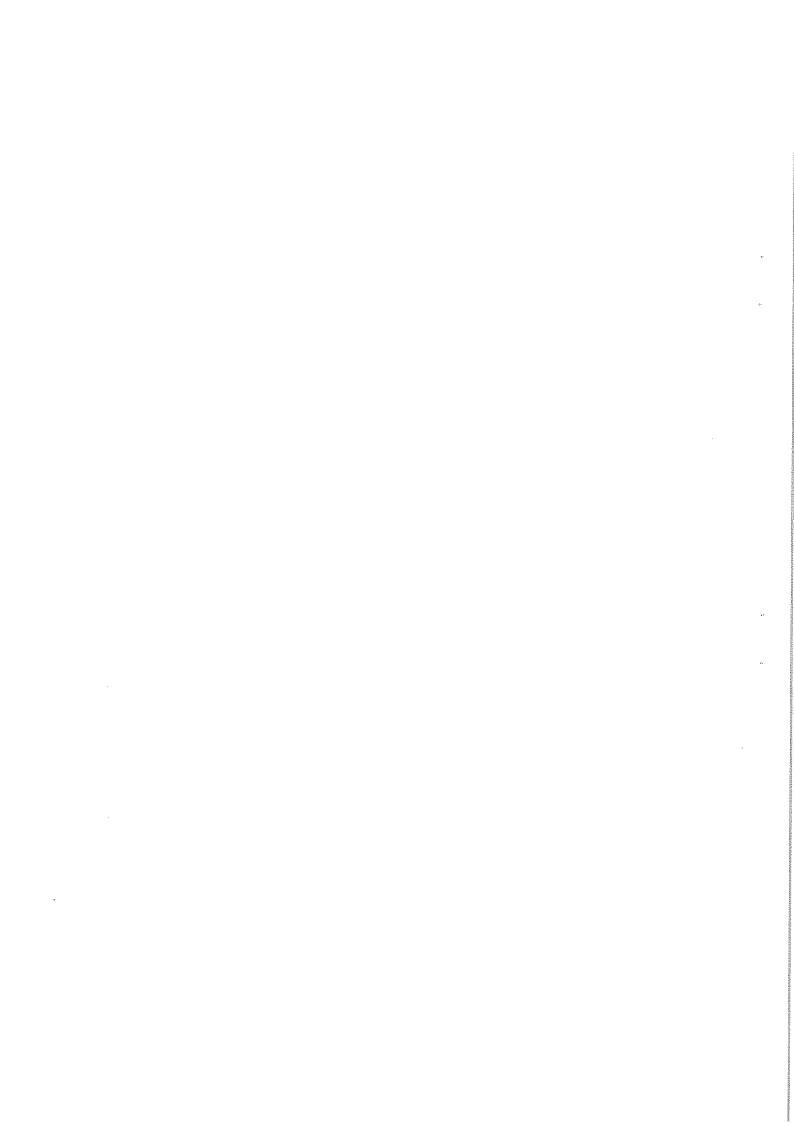
## THE OPEN UNIVERSITY OF SRI LANKA FACULTY OF HEALTH SCIENCES DEPARTMENT OF BASIC SCIENCES ACADEMIC YEAR 2018/2019 – SEMESTER I



BACHELOR OF SCIENCE HONOURS IN NURSING NSU3101 – ANATOMY AND PHYSIOLOGY – LEVEL 5 FINAL EXAMINATION DURATION: TWO HOURS

DAT	E: 5 <sup>th</sup> MARCH 2019		TIME: 09.30	AM – 11.30 AM
			INDEX NO	):
	Part B	-Short Answer Q	uestions	-
		(40 marks)		
Wri	te answers in the space provi	ded.		
2.1	Define the term "Glomerul:	ar filtration rate".		[5 marks]
			• • • • • • • • • • • • • • • • • • • •	•••••
2.2	Briefly explain the role of st	urfactant in the lung	alveoli.	[ 10 marks]
2.3	Write a brief account on the	structure of cardiac	muscle.	[10 marks]



2.4	Draw a clearly	labelled	diagram o	of the hypoth	halamo-pituitar	y-ovarian axis.
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[10 marks]

2.5 Draw a clearly labelled diagram that shows the structure of a typical neuron.

[5 marks]

	INDEX NO:				
Part	C –Essay Questions				
(30 marks)					
Answer only two (02) questions out	of three (03) questions.				
Write answers in separate sheets.					
1. Describe the structure of the cel	ll membrane in a typical mammalian cell. [15 marks]				
2. Describe the mechanisms that p	prevent blood loss when a blood vessel is damaged.				
•	[15 marks]				
3. Explain the role of pancreas in	digestion, absorption and metabolism of lipids.				
	[15 marks]				