

<b>Name:</b>	
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2019**

**Course: Human Anatomy & Physiology-I**

**Semester: 1<sup>st</sup>**

**Program: B.Sc. Food, Nutrition and Dietetics**

**Time 03 hrs.**

**Course Code: HSCC1002**

**Max. Marks: 100**

**Instructions:**

**SECTION A**

S. No.	Statement of question(Attempt all questions)	Marks	CO
	Statement of question(Attempt all questions)	<b>20</b>	
Q 1	Explain the composition and function of the lymphatic system	<b>4</b>	<b>CO3</b>
Q 2	Define cell junctions. Discuss their types	<b>4</b>	<b>CO1</b>
Q 3	Write a note on ECG	<b>4</b>	<b>CO5</b>
Q 4	Write a detailed note on structure and function of long bone	<b>4</b>	<b>CO2</b>
Q 5	Differentiate between sympathetic and parasympathetic nervous system	<b>4</b>	<b>CO4</b>

**SECTION B**

	Statement of question	<b>40</b>	
Q 6	Discuss about the structure and function of the eye.	<b>10</b>	<b>CO4</b>
Q 7	What is homeostasis? Describe the mechanism of homeostasis	<b>10</b>	<b>CO1</b>
Q 8	Give an outline for composition and function of blood	<b>10</b>	<b>CO3</b>
Q 9	Discuss about the structure and function of the ear	<b>10</b>	<b>CO2</b>
	<b>OR</b> Discuss in detail about cranial nerves		<b>CO4</b>

**SECTION-C**

	Statement of question	40	
Q 10	Draw well labelled diagram of heart and explain cardiac cycle	20	CO5
Q 11	What is articulation or Joint? Classify and describe in detail <b>OR</b> Define tissue? Classify various tissues with neat diagram	20	CO2 CO1