

<b>Name:</b>	 <b>UPES</b> UNIVERSITY WITH A PURPOSE
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, January 2021**

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

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

**Program: B.Sc. Nutrition/Clinical/Micro**

**Time 03 hrs.**

**Course Code: HSCC1002**

**Max. Marks: 100**

**Instructions:**

**SECTION A**

S. No.	1. Each Question will carry 5 Marks 2. Instruction: Complete the statement / Select the correct answer(s)	30	CO
Q 1	Why is it important to maintain a constant body temperature? a. so that we don't get cold b. to stop the multiplication of bacteria in the body c. to maintain the optimum temperature for enzymes d. so that we have enough energy to move	5	CO1
Q 2	Which of the following cells are responsible for our skin color? a. melanocytes b. keratinocytes c. markel cells d. Langerhans cells	5	CO2
Q 3	Pick the correct one a. Serum = Blood + Fibrinogen b. Lymph = Plasma + RBC + WBC c. Plasma = Blood – Lymphocytes d. Blood = Plasma + RBC + WBC	5	CO3
Q 4	Which of the following helps in maintaining the shape of the eye? a. Lens b. Aqueous humor c. Vitreous humor d. Ciliary muscles	5	CO4
Q 5	Which of the following chamber has the thickest wall in the heart? a. Right ventricle b. Left ventricle c. Right atrium d. Left atrium	5	CO5
Q 6	“Pacemaker of the heart” is _____ a. SA node b. AV node	5	CO5

	c. Bundle of HIS d. Purkinji fibers		
<b>SECTION B</b>			
	<b>1. Each question will carry 10 marks. Answer all 5 questions.</b> <b>2. Instruction: Write short / brief notes</b>	<b>50</b>	<b>CO</b>
Q 1	Discuss about the structure and function of the eye.	<b>10</b>	<b>CO4</b>
Q 2	What is homeostasis? Describe the mechanism of homeostasis.	<b>10</b>	<b>CO1</b>
Q 3	Give an outline for composition and function of blood.	<b>10</b>	<b>CO3</b>
Q 4	Describe in detail conducting system of heart.	<b>10</b>	<b>CO5</b>
Q 5	Discuss about the structure and function of the ear.  <b>OR</b>  Discuss in detail about cranial nerves.	<b>10</b>	<b>CO2</b>  <b>CO4</b>
<b>SECTION-C</b>			
	<b>1. Each question will carry 20 marks.</b> <b>2. Instruction: Write Long Answer.</b>	<b>20</b>	<b>CO</b>
Q 1	Describe various cells of skin? Classify and describe in detail various layers of skin  <b>OR</b>  Define tissue? Classify various tissues with neat diagram	<b>20</b>	<b>CO2</b> <b>CO1</b>