Enrollment No:	Exam Seat No:
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C.U. SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Anatomy & Physiology

Subject Code: 4NS01ANP1 Branch: B.Sc. (Nursing)

Year: 1 Date: 11/03/2019 Time: 02:30 To 05:30 Marks: 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

SECTION-A (ANATOMY) Q-1 Attempt the following questions: (07)Name any one functions of hydrochloric acid. a) 1 **b)** Name any one functions of surfactant. 1 What is in the center of cell? 1 The study of structure of human body is known as The clear jelly like substance found all over the cell including the nucleus. e) 1 A group of cells working together to perform the same function is 1 f) The directional term used to describe the front of the body is_____. g) 1 Attempt any one questions from Q-2 to Q-3: **O-2** Attempt all questions (15)A Enumerate the different parts of female reproductive system. 7 Describe the uterus in detail. 8 B **Q-3** Attempt all questions (15)A Enumerate the different parts of alimentary system. 7 Describe the stomach in detail. B 8 **Q-4** Describe any three questions from A to E: (15)5 A **Pancreas** 5 Pituitary gland. В \mathbf{C} Deltoid muscle. 5 5 D Lungs 5 \mathbf{E} Kidney



SECTION-B (PHYSIOLOGY)

Q-5		Attempt the following questions:	(08)
	a)	Building up larger molecules from many smaller molecules.	1
	b)	Breaking down complex compounds into smaller compounds.	1
	c)	Name the third cranial nerve	1
	d)	The movement of water across a semipermeable membrane from areas of high concentration to lower concentration.	1
	e)	Homogenous mixture of two or more components.	1
	f)	Expand DNA	1
	g)	The process of making mRNA is called.	1
	h)	The term used for the division of "Cytoplasm"	1
Atten	npt any	one questions from Q-6 to Q-7:	
Q-6		Attempt all questions	(15)
	\mathbf{A}	Define arterial blood pressure.	
	В	What are the factors determining blood pressure?	2 5
	\mathbf{C}	How the arterial blood pressure is regulated?	8
Q-7		Attempt all questions	(15)
	\mathbf{A}	Discuss in detail the different stages of erythropoiesis.	
	В	Write in detail the factors necessary for erythropoiesis.	
Q-8		Attempt any three questions from A to E:	(15)
	A	What is the composition and function of saliva?	5
	В	Explain the actions of growth hormone.	5
	\mathbf{C}	Define immunity. Explain its types.	5
	D	Name the components of nerve tissue. Describe the nerve cells.	5 5
	${f E}$	Describe the ventricles of heart.	5

