

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 2nd Semester Internal Examination April 2013**030020203- Human Anatomy and Physiology II**

Time: 10:00 a.m. To 1:00 p.m.

Max. Marks: **70**

Date: 02/05/2013

Instructions:

- Question no. **1 is compulsory.**
- From Q.2 to Q.7 attempt any **four** questions.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

Q.1	(a) Answer the following: (any six)	06
	1 Which part of nephron is responsible for secretion toxins, waste, drugs?	
	2 Differentiate between eccrine and apocrine sweat glands	
	3 Write functions of ciliary body in eye	
	4 Define: FEV	
	5 Write functions of limbic system	
	6 Define: Ganglia	
	7 Write role of luteinizing hormone in pregnancy	
	8 Enlist hormones secreted by thyroid gland	
	(b) Describe in brief: (any four)	08
	1 Explain terms: Diabetic nephropathy, Urinary tract infection	
	2 Draw labeled diagram of nephron	
	3 Differentiate between endocrine and exocrine gland	
	4 Classify neurons	
	5 Differentiate between oogenesis and spermatogenesis	
	6 Explain terms: Tuberculosis, asthma	
Q.2	(a) Write a note on renin angiotensin system	04
	(b) Define respiration. Explain in detail mechanism of external respiration	05
	(c) Draw labeled diagram of eye. Discuss physiology of vision.	05
Q.3	(a) Write a note on counter current mechanism	04
	(b) Enlist hormone secreted by pituitary gland. Write a note on hormone secreted by anterior pituitary gland	05
	(c) Describe physiology of Hearing with suitable diagram	05
Q.4	(a) Write a note on sympathetic nervous system	04
	(b) Discuss structure and functions of female reproductive system.	05
	(c) Draw labeled diagram of endocrine system. Discuss functions of hormone secreted by pancreas.	05
Q.5	(a) Explain terms: Acromegaly and diabetes insipidus	04
	(b) Draw a labeled diagram of Human Brain. Write a note on cerebral cortex.	05
	(c) Describe phases of Menstruation.	05
Q. 6	(a) Write functions of seminal vesicle, prostate gland, bulbourethral gland and epididymis	04
	(b) Explain reflex action of spinal cord with neat and labeled diagram of reflex arch.	05
	(c) Write physiology of urine formation	05
Q.7	(a) Write a note on cerebrospinal fluids	04
	(b) Write a note on cranial nerve	05
	(c) Draw labeled diagram of skin. Discuss functions of skin.	05