

**UKA TARSADIA UNIVERSITY**

Maliba Pharmacy College

B. Pharm 2<sup>nd</sup> 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.

<b>Q.1</b>	<b>(a) Answer the following: (any six)</b>	<b>06</b>
	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>(b) Describe in brief: (any four)</b>	<b>08</b>
	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	
<b>Q.2</b>	<b>(a) Write a note on renin angiotensin system</b>	<b>04</b>
	<b>(b) Define respiration. Explain in detail mechanism of external respiration</b>	<b>05</b>
	<b>(c) Draw labeled diagram of eye. Discuss physiology of vision.</b>	<b>05</b>
<b>Q.3</b>	<b>(a) Write a note on counter current mechanism</b>	<b>04</b>
	<b>(b) Enlist hormone secreted by pituitary gland. Write a note on hormone secreted by anterior pituitary gland</b>	<b>05</b>
	<b>(c) Describe physiology of Hearing with suitable diagram</b>	<b>05</b>
<b>Q.4</b>	<b>(a) Write a note on sympathetic nervous system</b>	<b>04</b>
	<b>(b) Discuss structure and functions of female reproductive system.</b>	<b>05</b>
	<b>(c) Draw labeled diagram of endocrine system. Discuss functions of hormone secreted by pancreas.</b>	<b>05</b>
<b>Q.5</b>	<b>(a) Explain terms: Acromegaly and diabetes insipidus</b>	<b>04</b>
	<b>(b) Draw a labeled diagram of Human Brain. Write a note on cerebral cortex.</b>	<b>05</b>
	<b>(c) Describe phases of Menstruation.</b>	<b>05</b>
<b>Q. 6</b>	<b>(a) Write functions of seminal vesicle, prostate gland, bulbourethral gland and epididymis</b>	<b>04</b>
	<b>(b) Explain reflex action of spinal cord with neat and labeled diagram of reflex arch.</b>	<b>05</b>
	<b>(c) Write physiology of urine formation</b>	<b>05</b>
<b>Q.7</b>	<b>(a) Write a note on cerebrospinal fluids</b>	<b>04</b>
	<b>(b) Write a note on cranial nerve</b>	<b>05</b>
	<b>(c) Draw labeled diagram of skin. Discuss functions of skin.</b>	<b>05</b>