

Seat No.:-----

Enrolment No.:-----

**UKA TARSADIA UNIVERSITY**

Maliba Pharmacy College

B.Pharm 2<sup>nd</sup> Semester Internal Examination April 2014 (*Mid-Sem*)

**030020203- Human Anatomy and Physiology II**

Time: 10:30 a.m. To 12:30 p.m.

Max. Marks: **40**

Date: 09/04/2014

**Instructions:**

- Attempt any **FIVE** questions.
- Each question carries **08** marks.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

- Q.1**   **A)** Draw a labeled diagram of Human Brain. Write a note on cerebral cortex. 04
- B)** What is electroencephalograph? Explain the clinical importance of various waves. 04
- 
- Q.2**   **A)** Differentiate between Sympathetic system and Parasympathetic system. 04
- B)** Define: CSF. Explain the formation and circulation of CSF in detail. 04
- 
- Q.3**   **A)** Enlist different types of reflex arc. Write a brief note on any one reflex action with 04  
              suitable diagram.
- B)** Define: Neuroglia. Classify different types of neuroglia present in CNS and PNS. 04
- 
- Q.4**   **A)** What do mean by action potential? Describe the sequence of events that generate 04  
              action potential.
- B)** Write a note on Parkinsonism and Poliomyelitis. 04
- 
- Q.5**   **A)** Briefly list the function for each cranial nerve. 04
- B)** Describe the components and functions of diencephalon. 04
- 
- Q.6**   **A)** Explain physiology of urine formation. 05
- B)** Draw labeled diagram and enlist functions kidney. 03
- 
- Q.7**   **A)** Explain the exchange of gases at lung and tissue level during respiration. 04
- B)** Write a note on respiratory volumes. 04