

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 1st Semester Internal Examination 2013 (*Mid-Sem 2*)

030020104 - Human Anatomy and Physiology-I

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

Max. Marks: **70**

Date: 02/12/2013

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** Enlist various organs involved in digestive system.
 - 2** Define arthritis.
 - 3** Enlist three types of muscular tissue.
 - 4** Define phagocytosis.
 - 5** What is serum?
 - 6** Enlist different types of joints.
 - 7** Define antibodies.
 - 8** Give location and size of heart.
- (b)** Describe in brief: (any four) **08**
- | | |
|---------------------------------------|--------------------------------------|
| 1 ECG | 4 Spleen |
| 2 Leucocytes | 5 Pancreatic secretions |
| 3 Sodium potassium ATPase pump | 6 Arrhythmia and Osteoporosis |
- Q.2 (a)** Define immunity. Give the difference between active and passive immunity. **04**
- (b)** Describe blood group in detail. **05**
- (c)** Explain various phases of gastric juice secretion. **05**
- Q.3 (a)** Write a short note on synovial joint. **04**
- (b)** Define cardiac cycle and describe each phase in detail. **05**
- (c)** Explain various transport mechanisms in brief. **05**
- Q.4 (a)** Describe haemopoiesis. **04**
- (b)** Write a note on cell cycle. **05**
- (c)** Write a short note on connective tissue. **05**
- Q.5 (a)** Draw a labeled diagram of Heart. **04**
- (b)** Explain physiology of muscle contraction. **05**
- (c)** Explain various pathways involved in blood clotting. **05**
- Q. 6 (a)** Give the difference between bone and cartilage. **04**
- (b)** Define stroke volume. Describe factors affecting on it. **05**
- (c)** Draw a labeled diagram of liver and describe structure and functions of it. **05**
- Q.7 (a)** Give the difference between artery and vein. **04**
- (b)** Describe various movements of joints in detail. **05**
- (c)** Write a note on composition and function of lymph. **05**