

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 4th Semester Internal Examination April 2014 (*Mid-Sem*)

030020405-Pathophysiology and Health Education

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

Max. Marks: **40**

Date: 12/04/2014

Instructions:

- **Question 1 in compulsory**
- **Attempt any four from remaining six.**
- Each question carries **08** marks.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

- Q.1 A) Define Following** **04**
- a) Diapedesis b) Chemotaxis c) Angiogenesis d) Anaphylaxis
- B) Answer the following in brief (Any Two)** **04**
- b) Differentiate between Kwashiorkor and marasmus
- c) Enumerate cellular events in acute inflammation.
- d) Give significance of metaplasia
- e) Differentiate between Active and Passive immunity
- Q.2 A) Write in detail about plasma derived mediators of inflammation** **04**
- B) Define acute inflammation. Describe in detail about any one vascular event occur in acute inflammation.** **04**
- Q.3 A) Explain sequence of events in wound healing by secondary union process.** **04**
- B) Compare and contrast the various forms of cellular adaptation.** **04**
- Q.4 A) Explain biochemical mechanism of cell injury due to ATP depletion** **04**
- B) Enlist types of necrosis. Write note on two type of necrosis.** **04**
- Q.5 A) State the five cardinal signs of acute inflammation and describe the physiologic mechanisms and mediators involved in production of these signs** **04**
- B) Write note on SLE** **04**
- Q.6 A) Describe Dystrophic calcification and metastatic calcification** **04**
- B) Explain Type I hypersensitivity reaction with suitable example** **04**
- Q.7 A) Define self-tolerance. Explain Clonal deletion and T-cell anergy.** **04**
- B) Describe the role of stem cell in tissue repair** **04**