

# UKA TARSADIA UNIVERSITY

B.Pharm. (4th Semester)

Subject :030020405-Pathophysiology and Health Education

Time : 10 am to 1 pm

Duration : 3 Hours

Date : 31/05/2014

Max. Marks : 70.

## Instructions:

1. Attempt all questions.
2. Write each section in a separate answer book.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks allocated to that question.
5. Draw diagrams/figures whenever necessary.

## SECTION - 1

### Q-1 (A) Do as directed.

[07]

- I) What is Hypertrophy?
- II) Define Metaplasia.
- III) Explain term angiogenesis.
- IV) Give two examples of vasodilator mediators of inflammation.
- V) Write two examples of growth factors involved in regeneration and wound healing.
- VI) Define Fibrosis.
- VII) Define Dystrophic calcification.

### Q-1 (B) Answer the following in brief. (Any 4)

[08]

- I) Describe etiology of cell injury.
- II) Write contrasting features of apoptosis and necrosis.
- III) Explain metastatic calcification.
- IV) Write about ischemic reperfusion cell injury.
- V) Explain role of mast cell in inflammation.
- VI) Write any four complication of wound healing.

### Q-2 Answer the following.

[10]

- A) Describe in detail mechanism of apoptosis.

OR

- A) Write in detail about cell derived mediators of inflammation.  
B) Discuss in detail about wound healing process.

OR

- B) Write in detail about mechanism of tissue repair.

### Q-3 Answer the following. (Any 2)

[10]

- A) Describe cellular phase of acute inflammation.
- B) Discuss pathogenesis of fatty liver.
- C) Write a note on extracellular matrix.

## SECTION - 2

### Q-4 (A) Do as directed.

[07]

- I) Define Demography.
- II) Write causative agent of Measles.
- III) Give the name of causative agent of Whooping cough.

- IV) Write causative agent of Filariasis.
- V) Give the sources of Calcium.
- VI) Write the name of disease occurred due to deficiency of Vit. A.
- VII) Write the name of disease occurred due to deficiency of protein.

**Q-4 (B) Answer the following in brief. (Any 4)**

**[08]**

- I) Write clinical features of Cholera.
- II) Explain in brief about Menopause.
- III) Classify Immunizing agent.
- IV) Enlist functions of Carbohydrates.
- V) Describe Pre- menstrual tension.
- VI) Write clinical features of small pox.

**Q-5 Answer the following.**

**[10]**

- A) Write causative agent, mode of transmission, prevention and treatment of malaria.

**OR**

- A) Write causative agent, mode of transmission, prevention and treatment of hepatitis.
- B) Give classification of contraceptive methods and describe IUDs.

**OR**

- B) Classify hypersensitivity reactions. Discuss features of various types of hypersensitivity reactions.

**Q-6 Answer the following. (Any 2)**

**[10]**

- A) Write a note on amyloidosis.
- B) Describe pathogenesis of AIDS.
- C) Write a note on Systemic Lupus Erythematosus.