

C.U. SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Human Anatomy & Physiology - I

Subject Code: 4PS01HAP1

Branch: B. Pharm

Semester: 1

Date: 12/03/2019

Time: 02:30 To 05:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt following questions: (14)

- a) Explain: allergy (1)
- b) What do you mean by Immunity? (1)
- c) Explain: Phagocytosis. (1)
- d) What is Action Potential? (1)
- e) What is Anemia? (1)
- f) Give full form of GIT. (1)
- g) Name secretion of gastric juice. (1)
- h) Write the physiological functions of saliva. (1)
- i) Define: Apoptosis (1)
- j) Name any two disorder of Joints. (1)
- k) Function of Mitochondria. (1)
- l) Define: Hypertension (1)
- m) What is haemostasis? (1)
- n) What do you mean by Extracellular fluids? (1)

Attempt any four questions from Q-2 to Q-8

Q-2 (14)

- a Describe in brief Active transport with mechanism. (7)
- b Enumerate types of tissues & give Characteristics, location and functions of Connective tissue. (7)

Q-3 (14)

- a Draw labeled diagram of human cell and give brief account on Golgi bodies. (7)
- b Define: Clotting factor and explain mechanism of Blood coagulation. (7)

Q-4 (14)

- a Write down composition & physiology of muscle contraction. (7)
- b Write down composition & Functions of different component of Lymph. (7)



- Q-5** (14)
a Define: cardiac output. Draw neat & labeled diagram of Internal heart. (7)
b Explain Cardiac cycle. (7)
- Q-6** (14)
a Draw anatomy of GIT & explain functions of any four component. (7)
b Physiology of Digestion & Absorption (7)
- Q-7** (14)
a Enumerate various Cardiovascular Disorders & Explain any two in detail. (7)
b Short note on Acquired & Innate Immunity. (7)
- Q-8** (14)
a Explain structure & Function of Liver. (7)
b Enlist disorders of Muscular System & Digestive System. Explain any two in detail. (7)

