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CL—1—2019

FACULTY OF PHARMACEUTICAL SCIENCE AND TECHNOLOGY

D. Pharm (First Year) EXAMINATION

MARCH/APRIL, 2019

HUMAN ANATOMY AND PHYSIOLOGY

(Monday, 22-4-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—70

N.B. :— (i) All questions are compulsory.

(ii) Draw a neat labelled diagram wherever necessary.

(iii) Answer to the point only.

1. Solve any *five* of the following questions : 5×2=10

(a) Define myocardial infarction and congestive heart failure.

(b) Enlist the blood clotting factor.

(c) Give composition and function of gastric juice.

(d) Give classification of nervous system.

(e) What is Hypoxia and Asphyxia ?

(f) Draw well labelled diagram of eye.

(g) Give function of testosterone.

2. Solve any *two* of the following : 2×6=12

(a) Define and classify tissue. Explain connective tissue.

(b) Describe the process of Haemopoiesis.

(c) Explain structure and function of lymph node.

3. Solve any *two* of the following : 2×6=12

(a) Define cardiac cycle. Explain event occurs in cardiac cycle.

(b) Describe the transport of respiratory gases across respiratory membrane.

(c) Define Blood Pressure. Describe short term regulation of blood pressure.

P.T.O.

4. Solve any *two* of the following : 2×6=12
- (a) Explain digestion and absorption of food in small intestine.
 - (b) Give hormones secreted by Adrenal gland. Explain in detail.
 - (c) Describe anatomy and physiology of stomach.
5. Solve any *two* of the following : 2×6=12
- (a) Describe different functional area of cerebrum.
 - (b) Explain the effect of stimulation of sympathetic nervous system on organ system.
 - (c) Explain structure and function of kidney.
6. Solve any *two* of the following : 2×6=12
- (a) Define menstrual cycle. Describe in detail menstrual cycle.
 - (b) Draw well labelled diagram of skin. Give function of skin in detail.
 - (c) Explain effect of athletic training on muscle and muscle performance.