Paper Id: 150324 Roll No:

B.PHARM
(SEM-III) THEORY EXAMINATION 2019-20
ANATOMY, PHYSIOLOGY &PATHOPHYSIOLOGY-III

Time: 3 Hours ***Total Marks: 100***

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 10 = 20

a.	Define Arteriosclerosis.
b.	Define the term electrophysiology.
c.	What is AIDS?
d.	
e.	Define cardiac output.
f.	What are the advantages of breathing through the nose?
g.	Define Metaplasia.
h.	What is the cause of Asthma? Enlist the symptoms.
i.	Define Hypothyrodism.
j.	What is Hypoxia ?

SECTION B

2. Attempt any *three* of the following: 10x3=30

a.	Discuss the morphology of reversible cell injury.
b.	What do you mean by Essential Hypertension? Give Pathophysiology of Hypertension.
c.	Discuss the Pathophysiology of Diabetes mellitus.
d.	Write the Pathophysiology of Tuberculosis
e.	Describe the surface anatomy of Lungs along with suitable diagrams.

SECTION C

3. Attempt any *one* part of the following: 10x1=10

a.	Describe the pulmonary gas exchange or the external respiration.
b.	Draw and label the structure of the Trachea .write their function also.

4. Attempt any *one* part of the following: 10x1=10

a.	Briefly describe the hormones of the Anterior lobe of the Pituitary and their function.
b.	Describe the histology of the Pancreatic islets and enlist the hormones secreted by them.

5. Attempt any *one* part of the following: 10x1=10

a.	Describe the Spermatogenesis and its hormonal control.
b.	Give brief note on mammary glands.

6. Attempt any *one* part of the following: 10x1=10

a.	What is Apoptosis? Write molecular pathway involved in apoptosis.
b.	Write detail note on chronic inflammation.

7. Attempt any *one* part of the following: 10x1=10

a.	Name the valves of the heart and explain the purpose of each valve.
b.	Write a note on conducting system of heart.

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