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**B PHARM**  
**(SEM-I) THEORY EXAMINATION 2020-21**  
**HUMAN ANATOMY AND PHYSIOLOGY**

**Time: 3 Hours****www.aktupreviousyearpaper.in****Total Marks: 75****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

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

a.	Define Anatomy & Physiology.
b.	Write the function of Mitochondria.
c.	Define Osteoblast & Osteocalst.
d.	Write the name of pigment present in rod and cone cell.
e.	What is Catabolism and Anabolism?
f.	Write about the two main function of skin.
g.	Define is sagital and parasagital plane.
h.	Name the bones present in the ear.
i.	Define the term Homeostasis.
j.	What is Erythropoisis?

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**SECTION B**

**2. Attempt any two parts of the following:****2 x 10 = 20**

a.	Classify skeletal system & Discuss about the structure and function of vertebral column.
b.	Define blood coagulation. Write in details about different stages involved in blood coagulation.
c.	Draw a well labeled diagram of cell and explain transport mechanisms across plasma membrane.

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**SECTION C**

**3. Attempt any five parts of the following:****7 x 5 = 35**

a.	Write about the structure and function of plasma membrane.
b.	Write a note on Blood Group.
c.	Explain positive and negative feedback mechanism with example.
d.	Discuss about the mechanism of physiology of hearing.
e.	Explain the structure and function of long bone.
f.	Define cell division and explain somatic cell division with diagram.
g.	Describe the basic anatomy of eye with the help of diagram.