

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE - 27
B.Sc. ZOOLOGY III SEMESTER
MID SEMESTER EXAMINATION-AUGUST 2019
ZO 318: HUMAN ANATOMY AND PHYSIOLOGY PART-1

Time: 1 hr

Max marks = 30

PART - A

I. Answer any FIVE questions:

5×2=10

1. a. _____ and _____ are the hormones secreted in small intestine.
b. Name the specialized cells involved in defense mechanism in the liver.
2. Name the four important sutures articulating the bones of the cranium.
3. Draw a neat labeled diagram of tooth.
4. a. The skeletal structures are _____ in origin.
b. The process of bone formation is called _____.
5. Schematically represent the neuro-muscular junction.
6. Match the following

1. Endomysium	a. Sheath around the Fasciculi
2. Perimysium	b. Muscle bundle groups
3. Epimysium	c. Single Myofibril
4. Fasciculi	d. Connective tissue around muscle fiber
	e. Connective tissue around the entire muscle bundle

PART- B

II. Answer any FOUR questions. Each question carries five marks

4×5=20

7. Give the anatomical details of Nasal passage.
8. Draw and label the gross structure of stomach and mention its function.
9. What are vocal cords and how is the sound produced? Add a note on pitch, loudness and quality of sound. (2+3)
10. Draw the section of the skin and label its parts.
11. With a neat labeled diagram, explain the sphenoid bone.