Explain the ultra-specture of a neuron with illustration bird describe the inechanisms that the rescribe view potential.

underlying the resquery (sqpuyqu) stance potential.

151

(3rd Semester)

Describe the YDOLOGY an in-depth transmission and in-depth description of the rollogian matter and the interaction between mc30/00S: abor rage sele libers.

(Animal Physiology-1: Controlling and Coordinating Systems)

Size and Controlling Systems)

Size and Controlling Systems (Controlling Systems)

Full Marks: 75
Pass Marks: 40%

Time: 3 hours in the marks the figures in the margin indicate full marks for the questions

b. Discuss the structure of the testis, detailing

1. Discuss the structural characteristics and specific functions of each type of epithelial tissue.

Describe different types of bone tissue and the process of bone ossification.

(Turn Over)

15

Explain the ultra-structure of a neuron with illustration and describe the mechanisms underlying the resting membrane potential. 10+5=15Astronos Int.

of synaptic Describe the mechanims in-depth and give an transmission description of the neuromuscular junction, highlighting its structure and the interaction between motor neurons and muscle fibers.

71/2+71/2=15

Explain the ultrastructure of skeletal muscle and describe the molecular basis of muscle 7+8=15contraction.

Or All Seals

Give an account on motor unit and its role in muscle contraction. Describe muscle summation. How does it affect muscle contraction strength? 7½+7½=15

for the questioned 4. Discuss the structure of the testis, detailing its anatomical organization and cellular composition. Illustrate with proper diagram.

Explain the endocrine functions of the testis and the hormonal regulation of testicular function.

5. Describe the signal transduction pathways involved in the action of steroidal hormones.

15

Or

Describe the structure and function of the pituitary gland, detailing its role in endocrine regulation.

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