

Exam 3 breakdown – updated 6/11/25

Ch 14 – Endocrine physiology – 16 questions

4 on hypothalamic hormones (GnRH, GHRH, TRH, CRH, PRH, GHIH, PIH)

4 on pituitary hormones (LH, FSH, TSH, ACTH, GH, Prolactin)

5 on endocrine disorders (Cushing's, Addison's, Conn's, pituitary dwarfism, Acromegaly, Gigantism, Hypothyroidism, Hyperthyroidism & Graves, Cretinism, Pheochromocytoma)

3 on other general endocrine glands of body (ex. Pineal, GI, gonads, or adrenals etc...)

Ch 6 – Muscle Physiology – 16 questions

2 on motor units

4 on sequence of events in sliding filament action, from ACh release from somatic motor neuron to muscle contraction.

1 on isometric vs isotonic contraction

1 muscle creatine, phosphocreatine, and CPK isoforms (CPK-MM, CPK-BB, CPK-MB)

1 on role of ADP vs ATP in sliding filament action

4 on muscle disorders (myasthenia gravis, spasms, cramps, sprain, strain, clonus, dermatomyositis, Duchenne's MD, ALS)

2 on muscle twitch, treppe, summation, and tetanus

1 on muscle fiber types (Types 1, 2, and 3)

Ch 8 – Cardiovascular physiology – 18 questions

2 on causes of secondary hypertension

3 on treatments for tachycardia, bradycardia, & high blood pressure

5 on blood pressure regulation pathways

1 on blood osmolarity regulation

1 on heart sounds

1 on heart conduction system

3 on things that affect cardiac output

2 on heart disease vocabulary