

Lab Midterm Practical Breakdown: 70 questions = 140 points

I. Lab 1 (anatomic terminology)	<u>8 questions</u>
A. Regional terms	(5)
1. Axial	
2. Appendicular	
3. Abdominal	
a) Body Cavities	(1)
b) Body Planes	(1)
c) Directional terms	(1)
II. Lab 2 (tissues, integument)	<u>12 questions</u>
A. Integument	(2)
1. Tissues	
a) ID the tissue	(4)
b) Examples of location/function	(3)
c) Cells, fibers, special terms	(3)
III. Labs 3 and 4 (bones)	<u>26 questions</u>
A. Skull and Axial skeleton	
1. ID the suture	(1)
2. ID the sinus	(1)
3. ID the fontanelle	(1)
4. ID the vertebra (or its bone marking)	(1)
5. ID sternum/rib (or its bone marking)	(1)
6. Significance of the bone marking (from Table 3-1)	(4)
a) Projections/Fossa/Foramen of skull (with parenting of bone)	(8)
B. Appendicular skeleton	
1. Orientation (left/right, anterior/posterior, with parenting of bone)	(2)
2. Projections/Fossa/Foramen (with parenting of bone)	(7)
IV. Labs 5 and 6 (muscles)	<u>24 questions</u>

There should be three questions from each of the groups below. These questions should include at least 8 ID the muscle, 5 attachment, and 4 muscle action questions.

- A. Muscles of Face, Mastication and Neck
- B. Abdominal and Respiratory Muscles
- C. Back and Scapular Muscles
- D. Muscles of Arm and Forearm
- E. Muscles of Thigh and Leg
- F. Muscles of Gluteal region, Iliopsoas

Lab Final Practical Breakdown: 65 questions = 130 points
Circulatory Trace: 1 question = 10 points
Total = 140 points

V.	Lab 7 (nervous system I: brain / cranial nerves)	<u>11 questions</u>
A.	Neuron	(1)
B.	Brain structures, significance (<i>models and human brains</i>)	(3, 2)
C.	Ventricles	(1)
D.	Meninges	(1)
E.	Cranial nerve (<i>1 name, 1 function, 1 foramina; all different nerves</i>)	(3)
VI.	Lab 8 (nervous system II: spinal cord / nerves / eye / ear)	<u>13 questions</u>
A.	Spinal cord / nerves	(4)
B.	Peripheral nerves (<i>2 ID, 2 motor / 1 sensory functions; all different nerves</i>)	(2, 2, 1)
C.	Eye	(2)
D.	Ear	(2)
VII.	Lab 9 (cardiovascular system I: blood / heart)	<u>7 questions</u>
A.	Coronary circulation	(1)
B.	Pericardium, histology and heart wall layers	(3)
C.	Internal / External structures, including great vessels and valves	(3)
VIII.	Lab 10 (cardiovascular system II: blood vessels)	<u>9 questions</u>
A.	Histology	(1)
B.	Arteries (superficial / deep)	(4)
C.	Veins (superficial / deep)	(4)
IX.	Lab 11 (respiratory and digestive)	<u>13 questions</u>
A.	Respiratory main organs	(2)
B.	Respiratory tubing, Accessory organ head and/or neck	(3)
C.	Digestive main organs	(2)
D.	Digestive head and neck	(2)
E.	Digestive accessory organs	(2)
F.	Digestive histology wall	(2)
X.	Lab 12 (urinary and reproductive)	<u>12 questions</u>
A.	Kidney	(1)
B.	Nephron	(1)
C.	Other urinary organs	(1)
D.	Renal circulation	(1)
E.	Male reproductive structures	(3)
F.	Male reproductive pathway of sperm release or gonad descent	(1)
G.	Female reproductive structures	(3)
H.	Female reproductive pathway of oocyte release	(1)

BIOL 2325 Practical Policies

1. Spelling / wording of answers:

- a. One letter incorrect (but doesn't change the word) - full credit
- b. 2-3 letters incorrect - ½ credit
- c. More letters incorrect - no credit
- d. Multi-word answers, each word is partial credit.

Example:

- i. Correct answer = conoid tubercle (of the clavicle)
- ii. Student answer = conoid ~~tubercle~~ ~~erosity~~ (of the clavicle) - ½ credit
- iii. Student answer = ~~lesser~~ tubercle (of the clavicle) - ½ credit
- iv. Correct answer = superior colliculus
- v. Student answer = ~~inferior~~ colliculus - ½ credit

2. Attachments: Students must be able to identify 1 proximal attachment/origin or 1 distal attachment/insertion on a question. No credit if an origin is asked and an insertion is answered, or vice versa.

3. Parenting: Parenting is required on all bones, unless instructor's judgment dictates the name of the bone is implied in the name of the structure. This is at the instructor's discretion.

4. Actions: Students must name **1 action with the joint / bone** for full credit.

Example:

- i. Correct answer for action of the biceps brachii, short head muscle = flexes forearm at elbow joint – full credit
- ii. Student answer = flexes forearm at ~~wrist~~ joint - ½ credit

5. Abbreviations: only right/left may be abbreviated (R / L) and artery/vein/nerve (A / V / N) on final.

6. Touching during practicals: For the practicals, students may touch. Instructors will guide their own students on their touching expectations.

7. Bonus points: Instructors will allow 10 earned bonus points per semester, in any format the instructor chooses.