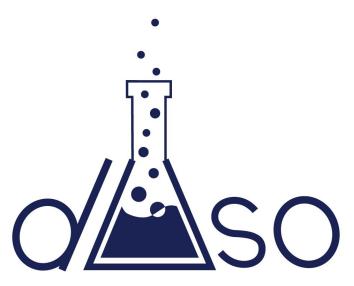
Anatomy and Physiology - Division C Answer Sheet

Duke University Science Olympiad Invitational 2020 January 18, 2020



Written by Sophia Velasco, University of Florida, B.S. Biochemistry 2023

Team Number:		
Team Name:		
Overall Score:	/316	Ranking:

Instructions and Clarifications:

- You have **50** minutes to finish this exam.
- Each team may bring **one** 8.5" x 11" two-sided page of information in any form from any source and **two** non-programmable non-graphing calculators.
- You **may** split the exam but you are responsible for placing the exam in the proper order after the testing session.
- Anything written on the exam will **not** be graded. Only the **answer sheet** will be graded.
- Write your **team number** on every page of the **answer sheet**.
- There are **5** tiebreakers in this exam. They are denoted as **TB#**.
- If you have any questions or comments about the exam, feel free to reach me at *velasco.scienceolympiad@gmail.com*. Happy testing!



I. **Integumentary System**

Multiple Choice: Each question is worth one point.

2. _____

10. _____

13. _____

14. _____

15. _____

16. _____

17. _____ 18. _____

19. _____

20. _____

Short Answer: Each question is worth one point.

Pathology Part I: Each question is worth one point unless otherwise stated.

1. _____ **TB#1**



Toam	Number:	
ream	Number:	

Labeling: Each letter is worth **one** point.

1.	
A	I
В	J
C	K
D	L
E	M
F	N
G	O
Н	P
2.	
A	N
В	
C	
D	
E	
F	
G	
Н	
l	
J	
K	
L	
M	



Team Number:

Diagram-based Questions: Each question is worth one point unless otherwise stated. TB#2

1.	 	

Pathology: Each question is worth **one** point unless otherwise stated.



II. Skeletal System

Multiple Choice: Each question is worth one point unless otherwise stated.

1. _____

2. _____

٥. _____

5. _____

0. _____

7. _____

8. _____

9. _____

10. _____

12. _____

13. _____ 14. _____ 15. _____

16. _____

17. _____ 18. ____

19. _____

20. _____

Short Answer: Each question is worth **one** point unless otherwise stated.

1.

2. _____

4. ____

5. _____

6. ______

/. _____

9.

10. _____

Pathology Part I: Each question is worth one point.

1.

2. _____

3. _____

4. _____

5. _____

7.

8. _____



Team	Number:	
ream	number:	

Pathology Part II: Each question is worth one point unless otherwise stated. TB#3

1	6
2	7
3	8
4	9
5	10
Labeling: Each letter is worth one point.	
1.	
A	L
В	M
C	N
D	O
E	P
F	Q
G	R
Н	S
l	
J	
K	
2.	
Α	M
В	N
C	O
D	P
E	Q
F	
G	
Н	
l	
J	



Team Number:

III. Muscular System

1	9		17	
2			18	
3			19	
4			20	
5			_ 5\	
6				
7				
8				
2				
hort Answer: Each qu	uestion is worth two points. 1	ГВ#4		
2				
3				
4				
5				
6				
7				
8				
9				
10				
	and the state of the state of the			
iassification: Each qu	uestion is worth one point.			
1		6		
2		7		
3		8		



Team Number: _____

Labeling

1.		
A.	 L	
K.		
2.		
Α.	 1	
	<u> </u>	
3.		
۸		
E. E		



_		
Team	Number:	

Diagram-based questions: Each question is worth one point unless otherwise stated. TB#5

1.	 	

Pathology: Each question is worth one point.

Part A

- 1. _____
- 2.
- 3. _____
- 4. _____

Part B

- 5. _____
- 6. _____
- 7. _____
- 8. _____