

Anatomy and Physiology - Division C Answer Sheet

University of Georgia Science Olympiad Regional Competition

February 22th, 2020



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Team Name: _____

Team Number: _____

Total Points: _____/222

Rank: _____

Instructions and Clarifications:

- You have **50** minutes to finish this exam.
- You **may** split the exam but you are responsible for placing the pages back in order at the end of the testing session.
- **Tiebreakers** are considered in the following order: **#6, #18, #33, #57, #76**
- Write your **team number** on every page of the answer sheet.
- Anything written on the exam will **not** be graded. Only the **answer sheet** will be graded.
- If you have any questions or comments about the exam, feel free to email me at velasco.scienceolympiad@gmail.com. **Happy testing!**



I. Integumentary System

Multiple Choice: Choose the most appropriate answer for the questions below. Each question is worth **one** point. **(20)**

- | | | |
|----------|-----------|-----------|
| 1. _____ | 8. _____ | 15. _____ |
| 2. _____ | 9. _____ | 16. _____ |
| 3. _____ | 10. _____ | 17. _____ |
| 4. _____ | 11. _____ | 18. _____ |
| 5. _____ | 12. _____ | 19. _____ |
| 6. _____ | 13. _____ | 20. _____ |
| 7. _____ | 14. _____ | |

Labeling: Label **Figure 1** and **Figure 2** in the image packet. Each letter is worth **one** point. **(14)**

- | | | |
|-----|----------|----------|
| 21. | A. _____ | E. _____ |
| | B. _____ | F. _____ |
| | C. _____ | G. _____ |
| | D. _____ | |
| 22. | A. _____ | E. _____ |
| | B. _____ | F. _____ |
| | C. _____ | G. _____ |
| | D. _____ | |

Pathology: Answer the following questions below about pathology in the most concise and specific way possible. Each question is worth **two** points. **(26)**

- | | |
|-----------|-----------|
| 23. _____ | 30. _____ |
| 24. _____ | 31. _____ |
| 25. _____ | 32. _____ |
| 26. _____ | 33. _____ |
| 27. _____ | 34. _____ |
| 28. _____ | 35. _____ |
| 29. _____ | |



II. Skeletal System

Multiple Choice: Choose the most appropriate answer for the questions below. Each question is worth **one** point. **(20)**

36. _____

43. _____

50. _____

37. _____

44. _____

51. _____

38. _____

45. _____

52. _____

39. _____

46. _____

53. _____

40. _____

47. _____

54. _____

41. _____

48. _____

55. _____

42. _____

49. _____

Labeling: Label **Figure 3** and **Figure 4** in the image packet. Each letter is worth **one** point. **(26)**

56.

A. _____

I. _____

B. _____

J. _____

C. _____

K. _____

D. _____

L. _____

E. _____

M. _____

F. _____

N. _____

G. _____

O. _____

H. _____

57.

A. _____

G. _____

B. _____

H. _____

C. _____

I. _____

D. _____

J. _____

E. _____

K. _____

F. _____



Pathology: Determine what disease or injury is shown in the given images. Each image is worth **three** points. **(18)**

- | | |
|-----------|-----------|
| 58. _____ | 61. _____ |
| 59. _____ | 62. _____ |
| 60. _____ | 63. _____ |

III. Muscular System

Multiple Choice: Choose the most appropriate answer for the questions below. Each question is worth **one** point. **(20)**

- | | | |
|-----------|-----------|-----------|
| 64. _____ | 71. _____ | 78. _____ |
| 65. _____ | 72. _____ | 79. _____ |
| 66. _____ | 73. _____ | 80. _____ |
| 67. _____ | 74. _____ | 81. _____ |
| 68. _____ | 75. _____ | 82. _____ |
| 69. _____ | 76. _____ | 83. _____ |
| 70. _____ | 77. _____ | |

Labeling: Label **Figure 5** and **Figure 6** in the image packet. Each letter is worth **one** point. **(28)**

- 84.
- | | | |
|----------|----------|----------|
| A. _____ | H. _____ | O. _____ |
| B. _____ | I. _____ | P. _____ |
| C. _____ | J. _____ | Q. _____ |
| D. _____ | K. _____ | R. _____ |
| E. _____ | L. _____ | S. _____ |
| F. _____ | M. _____ | T. _____ |
| G. _____ | N. _____ | |

- 85.
- | | |
|----------|----------|
| A. _____ | E. _____ |
| B. _____ | F. _____ |
| C. _____ | G. _____ |
| D. _____ | H. _____ |



Pathology: Determine if the following statements about the muscular diseases are true or false. If the statement is true, write “**T**” on your answer sheet. If the answer is false, write “**F**” on your answer sheet. Each question is worth **two** points. **(30)**

- 86. _____
- 87. _____
- 88. _____
- 89. _____
- 90. _____
- 91. _____
- 92. _____
- 93. _____

- 94. _____
- 95. _____
- 96. _____
- 97. _____
- 98. _____
- 99. _____
- 100. _____

Matching: Match the following muscles to their corresponding origin. Each question is worth **two** points. **(20)**

- 101. _____
- 102. _____
- 103. _____
- 104. _____
- 105. _____
- 106. _____
- 107. _____
- 108. _____
- 109. _____
- 110. _____