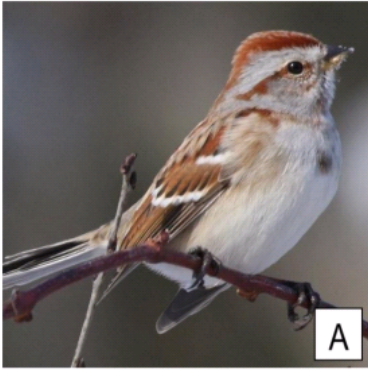


130 points possible

Note: throughout this exam, there are "fill-in-the-blank" questions that ask you to name groups/birds from the National Birds List. Please type them **exactly** as they appear in the official list or Scilympiad will not grade them correctly!

Station 1: Questions 1-8 use these images.



1. (1.00 pts) What is Bird A's common name?

2. (1.00 pts) What is Bird B's common name?

3. (1.00 pts) Which of these bird(s) is/are known to be highly sexually dimorphic by size?

(Mark **ALL** correct answers)

- ☐ A) A
- ☐ B) B
- ☐ C) Both
- ☐ D) Neither

4. (1.00 pts) These birds both prefer to forage:

- ☐ A) On the ground
- ☐ B) In trees
- ☐ C) Over large bodies of water
- ☐ D) In low bushes
- ☐ E) N/A: These birds have different foraging preferences

5. (1.00 pts) Which of these bird(s) would likely be found in a park in Texas outside of breeding season?

- ☐ A) A
- ☐ B) B
- ☐ C) Both

☐ D) Neither

6. (1.00 pts) How many broods does Bird B typically produce per year? Write your answer as a numeric value.

7. (1.00 pts) T/F: Bird B may be found eating conifer needles.

☐ A) T

☐ B) F

8. (1.00 pts) Which of these bird(s) have been seen displaying social behavior?

☐ A) A

☐ B) B

☐ C) Both

☐ D) Neither

Station 2: Questions 9-16 use this image.



9. (1.00 pts) What is this bird's common name?

10. (1.00 pts) T/F: This bird typically nests on the ground.

☐ True ☐ False

11. (1.00 pts) This bird's wingspan is approximately ____ inches.

12. (2.00 pts) Which of the following is/are important for this bird's habitat? Select all that apply.

(Mark **ALL** correct answers)

- ☐ A) Trees
- ☐ B) Standing water
- ☐ C) Cold weather
- ☐ D) Lots of rain

13. (2.00 pts) With what type of snake does this bird have a mutualistic relationship? Explain this relationship.

14. (1.00 pts) In what region(s) of the US is this bird found? Select all that apply.

(Mark **ALL** correct answers)

- ☐ A) Northeast
- ☐ B) Southeast
- ☐ C) Northwest
- ☐ D) Southwest
- ☐ E) Midwest
- ☐ F) None

15. (1.00 pts) Despite its ear tufts, this bird is not able to hunt by sound.

- ☐ True ☐ False

16. (1.00 pts) What is this bird's IUCN Red List status?

Station 3: Questions 17-24 use this image.



17. (1.00 pts) These birds are in the same order.

- ☐ True ☐ False

18. (1.00 pts) Which of these birds has a wider year-round range?

- ☐ A) A
- ☐ B) B

- ☐ C) Both
- ☐ D) Neither

19. (1.00 pts) Is Bird A nocturnal or diurnal?

- ☐ A) Nocturnal
- ☐ B) Diurnal

20. (1.00 pts) How does Bird A use bread crusts to aid in its search for food?

21. (2.00 pts) List two natural predators of Bird B (adults only).

22. (1.00 pts) T/F: Bird B is likely to be found in Texas during its breeding season.

- ☐ True ☐ False

23. (1.00 pts) What is Bird A's approximate wingspan?

24. (1.00 pts) What is another name for colonies of Bird B?

Station 4: Questions 25-32 use this image.



25. (1.00 pts) What is this bird's scientific name?

26. (1.00 pts) What is the scientific name of this bird's family?

27. (1.00 pts) Explain the etymology of this bird's genus name.

28. (1.00 pts) Are eggs of this species incubated by the male, female, or both?

- ☐ A) Male
- ☐ B) Female
- ☐ C) Both
- ☐ D) Neither

29. (1.00 pts) This bird primarily eats...

- ☐ A) Insects
- ☐ B) Fish
- ☐ C) Spiders
- ☐ D) Plant Material

30. (1.00 pts) What is this species' IUCN Red List classification?

31. (1.00 pts) This bird's nests are often parasitized by what other bird on the Official List? (common name)

32. (1.00 pts) Is this species docile or aggressive?

- ☐ A) Docile
- ☐ B) Aggressive

Station 5: Questions 33-40 use this image.



33. (1.00 pts) What is this bird's common name?

34. (1.00 pts) How can this bird kill prey larger than itself?

35. (1.00 pts) How old are these birds when they leave the nest?

36. (1.00 pts) What is this bird's approximate incubation period?

37. (1.00 pts) Approximately how long do these birds live in the wild?

38. (1.00 pts) T/F: This species is polygamous.

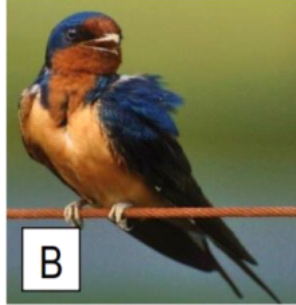
☐ True ☐ False

39. (1.00 pts) T/F: This species' primary diet is carrion and roadkill.

☐ True ☐ False

40. (1.00 pts) This species typically lays approximately how many eggs at once?

Station 6: Questions 41-48 use this image.



41. (1.00 pts) What is Bird A's common name?

42. (1.00 pts) What is Bird B's common name?

43. (1.00 pts) These birds are in the same... (Select all that apply)

(Mark **ALL** correct answers)

- ☐ A) Kingdom
- ☐ B) Phylum
- ☐ C) Class
- ☐ D) Order
- ☐ E) Family
- ☐ F) Genus and species

44. (1.00 pts) Which bird is larger in size?

- ☐ A) A
- ☐ B) B
- ☐ C) Neither

45. (1.00 pts) T/F: Both birds are insectivores.

☐ True ☐ False

46. (1.00 pts) Which bird has a larger geographic range during mating season?

- ☐ A) A

- ☐ B) B
- ☐ C) Neither

47. (1.00 pts) T/F: Bird A avoids nesting in manmade structures.

- ☐ True ☐ False

48. (1.00 pts) How many days after hatching do young of Species B leave the nest?

Station 7: Questions 49-56 use the following image.



49. (1.00 pts) What is this bird's common name?

50. (2.00 pts) What are two factors that may be contributing to this bird's decline across North America?

51. (1.00 pts) What do young of this species eat?

52. (1.00 pts) What is this bird's typical lifespan in the wild?

53. (1.00 pts) What is the last part of the body to finish molting during this bird's post-juvenile molt?

54. (1.00 pts) Describe the color of this bird's eggs.

55. (2.00 pts) List 2 natural predators of this bird.

56. (1.00 pts) T/F: This bird can be found throughout most of the continental US during breeding season.

☐ True ☐ False

Station 8: Questions 57-64 refer to this image.



57. (1.00 pts) What is this bird's common name?

58. (1.00 pts) What is the scientific name of this bird's family?

59. (2.00 pts) Why do males of this species have 2 different song types?

60. (1.00 pts) T/F: Males of this species build the nest, while females feed the young.

☐ True ☐ False

61. (1.00 pts) T/F: This bird's incubation period is 2 weeks long.

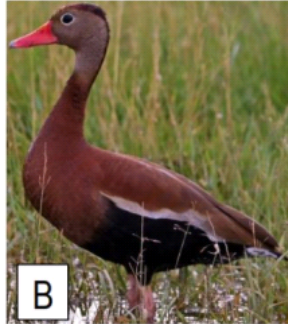
☐ True ☐ False

62. (1.00 pts) How many broods does this bird typically produce per year? Enter a numeric value

63. (1.00 pts) How might this bird be beneficial to forests?

64. (1.00 pts) What is this bird's IUCN Red List status?

Station 9: Questions 65-72 refer to this image.



65. (1.00 pts) What is Bird A's common name?

66. (1.00 pts) What is Bird B's common name?

67. (3.00 pts) Which of the following distinguish Bird B from other ducks? Select all that apply.

(Mark **ALL** correct answers)

- ☐ A) Lack of sexual dimorphism
- ☐ B) Long-term pair bonds
- ☐ C) Lack of complex pair-forming behavior
- ☐ D) Terrestrial habitat preferences
- ☐ E) Trick question. Bird B is not a duck.

68. (1.00 pts) What is Bird A's approximate wingspan, in cm?

69. (1.00 pts) Which bird lays more eggs at once?

- ☐ A) A
- ☐ B) B
- ☐ C) Both are equal.

70. (1.00 pts) T/F: Young of both species are known to be altricial.

- ☐ True
- ☐ False

71. (1.00 pts) T/F: Both species tend to nest in colonies.

- ☐ True
- ☐ False

72. (1.00 pts) Which of these birds is/are likely to be found in Texas during its breeding season?

(Mark **ALL** correct answers)

- ☐ A) A
- ☐ B) B
- ☐ C) Neither

Station 10: Questions 73-80 use this image.



73. (1.00 pts) What is the scientific name of this bird's family?

74. (1.00 pts) What is this bird's common name?

75. (1.00 pts) T/F: This bird is known for having a high tolerance for saltwater.

☐ True ☐ False

76. (1.00 pts) T/F: This bird is known to eat other birds' eggs and young.

☐ True ☐ False

77. (1.00 pts) At what age, in weeks, can young of this species fly? Enter an integer.

78. (1.00 pts) Are young of this species precocial or altricial?

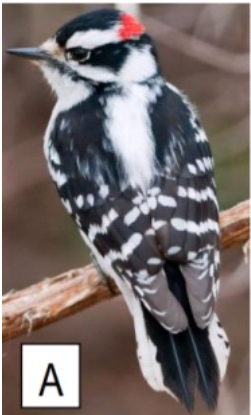
- ☐ A) Precocial
☐ B) Altricial

79. (1.00 pts) In what region of the US is this bird typically found?

- ☐ A) Northeast
☐ B) Southeast
☐ C) Northwest
☐ D) Southwest

80. (1.00 pts) What is this bird's typical incubation period?

Station 11: Questions 81-88 refer to this image.



81. (1.00 pts) What is Bird A's common name?

82. (1.00 pts) What is Bird B's common name?

83. (1.00 pts) What is the scientific name of Bird B's family?

84. (1.00 pts) T/F: Bird B is known for feeding almost exclusively on insects.

☐ True ☐ False

85. (1.00 pts) Describe Bird A's typical habitat.

86. (1.00 pts) Approximately how deep are Bird A's typical nests?

87. (1.00 pts) What is Bird B's IUCN Red List status?

88. (1.00 pts) How old are young of Bird B's species at their first flight?

Station 12: Questions 89-96 refer to this image.



89. (1.00 pts) What is this bird's common name?

90. (1.00 pts) What is the scientific name of this bird's family?

91. (1.00 pts) During what season is this bird likely to be found in Texas?

92. (1.00 pts) Do these birds typically forage on the ground or high in trees?

- ☐ A) On the ground
- ☐ B) High in trees

93. (1.00 pts) What does this bird typically eat?

94. (1.00 pts) What is this bird's primary nest predator?

95. (1.00 pts) What is this bird's approximate length?

96. (1.00 pts) What is this species' main sexually dimorphic trait?

Station 13: Questions 97-104 refer to this image.



97. (1.00 pts) What is Bird A's common name?

98. (1.00 pts) What is Bird B's common name?

99. (1.00 pts) What does "endemic" mean in relation to ornithology?

100. (1.00 pts) What is the maximum number of broods Bird B may produce in a single year? Enter a numeric value.

101. (1.00 pts) Which bird is typically smaller?

- ☐ A) A
- ☐ B) B
- ☐ C) Neither

102. (1.00 pts) What material(s) does Bird A typically use to build nests?

103. (1.00 pts) T/F: Bird B is known for having multiple mates in a single season.

☐ True ☐ False

104. (1.00 pts) At what age do young of Species B typically leave the nest?

Station 14: Questions 105-112 refer to this image.



105. (1.00 pts) What is this bird's common name?

106. (1.00 pts) What is the scientific name of this bird's family?

107. (2.00 pts) What sex is this bird? How can you tell?

108. (1.00 pts) In what region of the US is this bird likely to be found during its breeding season?

- ☐ A) Northeast
- ☐ B) Southeast
- ☐ C) Northwest
- ☐ D) Southwest
- ☐ E) None of the above

109. (1.00 pts) T/F: This species is known for being resilient to habitat fragmentation, which has allowed their range to continually expand despite urbanization.

☐ True ☐ False

110. (1.00 pts) T/F: Both males and females of this species are known to sing.

☐ True ☐ False

111. (1.00 pts) At what height above the ground do these birds typically nest?

112. (2.00 pts) Which of the following might this bird eat? Select all that apply.

(Mark **ALL** correct answers)

- ☐ A) Fish
- ☐ B) Insects
- ☐ C) Berries
- ☐ D) Seeds

Station 15 (No image): Questions 113-120.

113. (1.00 pts) T/F: Large birds generally have slower heart rates than small birds.

☐ True ☐ False

114. (1.00 pts) Why do many birds have a large breastbone?

115. (1.00 pts) What is the advantage birds gain from having hollow bones?

116. (1.00 pts) Moving from front to back, bones in a bird's head include:

- ☐ A) Forehead → sinciput → occiput
- ☐ B) Sinciput → occiput → forehead
- ☐ C) Sinciput → forehead → occiput
- ☐ D) Forehead → occiput → sinciput
- ☐ E) Occiput → forehead → sinciput
- ☐ F) Occiput → sinciput → forehead

117. (1.00 pts) T/F: Birds lack a diaphragm.

☐ True ☐ False

118. (1.00 pts) How many chambers does a bird's heart have? Enter a numerical value.

119. (1.00 pts) What is the function of a crop in a bird?

120. (1.00 pts) Approximately how many different muscles do most birds have?