2023 Iowa Envirothon State Wildlife Exam Team_____

Each Question is worth three points – 75 points possible

MULTIPLE CHOICE: Select the best possible answer from those provided.

1. Some birds do not build their own nest but rather use the nests of other bird species. This is known as nest parasitism and is common with which bird?

a) Brown-headed Cowbirds
b) Bobolinks
c) Gray Catbirds
d) Song Sparrows
e) All of the above

2. Under the North American Model of Wildlife Conservation, the majority of funding for wildlife conservation in the United States comes from what source?

a) Sale of all-terrain vehicles
b) Sale of binoculars and camping gear
c) Sale of guns and ammunition
d) Sale of hunting and fishing licenses
e) Sale of fishing tackle and boat fuel

3. Which of the following is the correct definition of succession?

a) the effect that wildlife has on the habitat it lives in
b) A predictable series of changes in vegetation over time
c) The process of wildlife adapting to a specific habitat over time
d) All of the above

4. Habitat is defined as the arrangement of food, water, and:

a) Carrying capacity
b) Space
c) Cover
d) Both B and C
e) Both A and B
f) All of the above

5. Your friend's uncle owns and manages a private deer hunting ranch in Texas. He uses tall fences to keep wild deer from interbreeding with his trophy deer herd. Over the past 20 years, he's noticed that his herd's nutrition is declining, the habitat is being degraded, females are having fewer fawns , and diseases are becoming more common. Based on your knowledge of population dynamics, what is most likely the **main** reason these things are happening to his deer herd?

a) The herd has low genetic diversity
b) He's harvesting too many deer each year
c) The herd has met or exceeded carrying capacity
d) The ecosystem has very low biodiversity
e) All of the above

6. Amphibians in Iowa are divided into two main groups that include _____.

a) toads and frogs (but does not include salamanders)
b) turtles and frogs (which includes toads)
c) salamanders and frogs (which includes toads)
d) salamanders and frogs (but does not include toads)

7. Iowa Native plants are organized by three ecosystem types that include _____.

a) Northern, central, and southern
b) Eastern, central, and western
c) Prairies, wetlands, and woodlands
d) fens, potholes, and tall grass

8. What is the common name for this native Iowa prairie plant (see picture)?





a) Prairie Blazing Star
b) Purple Coneflower
c) Big Bluestem
d) Purple Prairie Clover

9. Which of the following native Iowa snake is poisonous?

a) Bullsnake
b) Timber Rattlesnake
c) Northern Watersnake
d) None of the above

10. Which of the following species is not native to Iowa, and was originally brought into the state by humans?

a) Ring-necked Pheasant
b) Prairie Chicken
c) Wild Turkey
d) Bald Eagle

11. Which of the following is not one of Iowa's state symbols?

a) Honeybee
b) Oak tree
c) American Goldfinch
d) Wild Rose
e) Geode
f) All of the above are state symbols of Iowa

12. Which of the following options is the correct definition of a Keystone Species?

a) Species that are uncommon, and usually potentially at risk because of their restricted geographic area or habitat
b) A species that other species in an ecosystem depend upon for survival
c) An animal or organism that feeds on both animal and plant matter
d) None of the Above

13 – 17. Match the disease with the group of wildlife it most often afflicts (3 points each)
Instructions: Enter the letter labeling the disease into the blank by the wildlife group.

13. _____ Amphibians	A. West Nile Virus
14._____ Bats	B. Chytrid Fungus
15. _____ Deer	C. Brucellosis
16._____ Birds	D. White Nose Syndrome
17._____ Bison	E. Chronic Wasting Disease

18. The science of wildlife management was established by which famous Iowan?

a) Hugh Hammond Bennett
b) Sylvan Runkel
c) Aldo Leopold
d) Ding Darling
e) Neal Smith

Identification (3 points each): Please correctly identify each of the following native Iowa species (question numbers are next to mounts/pelts):

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____