

2017 MN FFA Fish & Wildlife Exam

Do not write on the exam. Bubble in the most correct answer on your scantron.

Mammals

- 1) This species thrives where suburban housing has broken up woodlands?
 - A) Franklin's ground squirrel
 - B) Gray squirrel
 - C) Meadow vole
 - D) Mole

- 2) This animal can damage tree bark and orchard crops.
 - A) White-tailed deer
 - B) Meadow vole
 - C) Cottontail
 - D) All of the above

- 3) A large member of this species can weigh 500 pounds?
 - A) Gray wolf
 - B) Beaver
 - C) Black bear
 - D) Both A and C

- 4) This species of mammal nests in tree cavities?
 - A) Mole
 - B) 13-lined ground squirrel
 - C) Flying Squirrel
 - D) Both B and C

- 5) Which species sleep or remain dormant for most of the winter?
 - A) Badger and Chipmunk
 - B) Shrew and Badger
 - C) Snowshoe hare and Chipmunk
 - D) Moose and Black Bear

- 6) This animal is Minnesota's most common large predator?
 - A) Fox squirrel
 - B) Gray wolf
 - C) Opossum
 - D) Coyote

- 7) Populations of this species have recovered over the last century thanks to improvements in water pollution regulations?
 - A) River otter
 - B) Gray wolf
 - C) Moose
 - D) White-tailed deer

- 8) What species can best be described as an omnivore?
- A) Mole
 - B) Moose
 - C) Raccoon
 - D) Weasel
- 9) Which of these bests describes the habitat of a White-tailed deer?
- A) Rocky cliffs
 - B) Open grasslands
 - C) Mixed woodland
 - D) Fast moving stream
- 10) This animal digs into riverbanks and is an important furbearer?
- A) Red Squirrel
 - B) Beaver
 - C) Muskrat
 - D) B and C
- 11) Which of these animals typically has the largest number of young?
- A) Badger
 - B) Moose
 - C) Meadow vole
 - D) Porcupine
- 12) Conservation officers will pull teeth from bear and deer to estimate what?
- A) Weight of the animal
 - B) Number of offspring
 - C) Age
 - D) None of the above
- 13) This animal is Minnesota's only pouched marsupial?
- A) Opossum
 - B) Mink
 - C) Muskrat
 - D) Raccoon
- 14) The White-tailed deer archery-hunting season runs from January to April?
- A) True
 - B) False
- 15) The Minnesota DNR conducts annual surveys of Moose and Deer populations?
- A) True
 - B) False

Birds

- 16) Threats to Loon populations include?
- A) Lead and mercury poisoning
 - B) Nesting habitat loss
 - C) Barred Owls
 - D) Both A and B

- 17) In 2017 there is a special spring hunt for this species of bird?
- A) Canada goose
 - B) Tundra swan
 - C) Snow goose
 - D) Pintail
- 18) Funds raised by the sale of the Minnesota Duck Stamp go to?
- A) Waterfowl research
 - B) Habitat restoration
 - C) Fishing docks
 - D) Both A and B
- 19) Which of these birds nest in tree cavities?
- A) Eastern screech owl
 - B) Cooper's hawk
 - C) Short-eared owl
 - D) Crow
- 20) What best describes Northern Harrier's habitat?
- A) Marshes and grasslands.
 - B) Dense, wet forest.
 - C) Rocky cliffs.
 - D) Forest clearing.
- 21) Which of these birds migrate south for the winter?
- A) Red-winged blackbird
 - B) Blue jay
 - C) Barred owl
 - D) House sparrow
- 22) Which bird has offspring that leave the nest a few hours after they hatch?
- A) Wild turkey
 - B) Woodcock
 - C) Wood duck
 - D) All of the above
- 23) How many and what sex of turkey can be taken during the fall hunting season?
- A) 3, any sex
 - B) 2, one male and one female bird
 - C) 1, one male or one female bird
 - D) 1, male bird only
- 24) Which 2 species of ducks are the most common for hunters to harvest?
- A) Mallards and Canvasback
 - B) Canvasback and Redhead
 - C) Mallards and Ring-necked duck
 - D) Pintail and Redhead

- 25) Humans helped restore populations of this species by installing nesting boxes.
- A) Blue jay
 - B) Grackle
 - C) House sparrow
 - D) Eastern bluebird
- 26) Which bird is mainly a rodent eater?
- A) Great blue heron
 - B) Blue jay
 - C) Crow
 - D) Barred owl
- 27) Tundra swans are sometimes killed because hunters mistake them for Snow geese?
- A) True
 - B) False
- 28) Lack of leg feathers makes it difficult for Ring-necked pheasant to survive cold winters?
- A) True
 - B) False
- 29) Juvenile Red-tailed hawks have a bright red tail?
- A) True
 - B) False
- 30) When hunting on water duck hunters need to wear blaze orange clothes?
- A) True
 - B) False

Fish

- 31) This species of fish is "catch and release" only for a portion of the fishing season?
- A) Yellow perch
 - B) Crappie
 - C) Smallmouth bass
 - D) All of the above
- 32) This fish can survive in hot shallow water because it can breath air if needed?
- A) White sucker
 - B) Gar
 - C) Yellow perch
 - D) Brown trout
- 33) This fish can best be described as golden brown with large dark spots on its sides and dorsal fin.
- A) Shiner minnow
 - B) Rainbow trout
 - C) Channel catfish
 - D) Brown trout

- 34) Which two fish can hybridize.
- A) Muskellunge and Northern pike
 - B) Lake Trout and Brook trout
 - C) American eel and Sea lamprey
 - D) Both A and B
- 35) Recently introduced species of this fish are known to jump from the water when frightened and may hurt boaters.
- A) Large mouth bass
 - B) Carp
 - C) Lake Sturgeon
 - D) Muskellunge
- 36) A lake trout's preferred habitat is?
- A) Deep, cold lakes
 - B) Shallow, warm, weedy lakes
 - C) Fast moving rivers
 - D) Shallow, warm streams
- 37) The diet of the muskellunge is best described as?
- A) Other fish, frogs and ducklings
 - B) Minnows, insects, snails and crayfish
 - C) Only smelt
 - D) Small plants and plankton
- 38) These fish are good for bait because they can survive in water with low oxygen levels?
- A) Sea lamprey
 - B) Smelt
 - C) Rainbow trout
 - D) Fathead minnow
- 39) This fish is also called the bowfin, grindle, or mudfish?
- A) Largemouth bass
 - B) Dogfish
 - C) Rock bass
 - D) Bullhead
- 40) What best describes the spawning habits of the sunfish?
- A) Males guard the nest in sandy shallows.
 - B) Females build nests in deep cold rivers.
 - C) Large groups of fish spawn together.
 - D) Females travel up cold streams to lay eggs.
- 41) Sturgeon must be tagged immediately if they are to be kept?
- A) True
 - B) False
- 42) Stream trout must have head, tail, fin and skin intact for transport and storage
- A) True
 - B) False

- 43) Children under 15 may fish without a license as long as parent or guardian is licensed?
A) True
B) False
- 44) Yellow bullheads are the most common type of bullhead in Minnesota?
A) True
B) False
- 45) The Walleye possession limit is 6, not more than one over 20 inches?
A) True
B) False

INSECTS-ENTOMOLOGY

- 46) Which of the following insects has a pupal stage?
A. Aphids
B. House fly
C. Springtail
D. Woods cockroach
- 47) Which of the following impacts honey bee health?
A. Parasitic mites and diseases
B. Flowerless landscapes
C. Insecticides
D. All of the above are correct
- 48) From where do longhorned beetles get their name?
A. Their long antennae
B. Their slender, long legs
C. Their stout, long snout
D. Their conspicuous, long ovipositor
- 49) What do dragonflies, ground beetles, robber flies and yellowjackets have in common?
A. They are all associated with water
B. They all prey on insects for food (i.e. they are predators)
C. They are all good fliers
D. They all develop through complete metamorphosis
- 50) What is the favorite food of lacewings?
A. Aphids
B. Decaying plant matter
C. Evergreen needles
D. Pollen
- 51) You are walking through a prairie and stop to examine a flower. Which of the following insects are you most likely to observe?
A. Cecropia
B. Giant water bug
C. Mayfly
D. Syrphid fly

52) Which of the following insects has an incomplete (simple) life cycle?

- A. Boxelder bug
- B. Honey bee
- C. Lady beetle
- D. Weevil

53) Zika virus is transmitted by what kind of insect?

- A. Assassin bug
- B. Honey bee
- C. Mosquito
- D. Yellowjacket

54) Which of the following insects possesses needle-like, sucking mouthparts?

- A. Carpenter ant
- B. Grasshopper
- C. Rove beetle
- D. Stink bug

55) Which of the following is **not** true about sphecid wasps?

- A. Many species nest in the ground
- B. They are common around flowers
- C. They are solitary, i.e. there is just one adult in each nest
- D. They feed on the leaves of deciduous trees, sometimes causing damage

56) What is the favorite food of monarchs?

- A. Grass
- B. Milkweed
- C. Raspberries
- D. Oak trees

57) How many wings do beetles have?

- A. 0
- B. 2
- C. 4
- D. 6

58) Which of the following is **true** about insects that develop through complete metamorphosis?

- A. The immature stage is called nymphs
- B. Both the adults and the immature stage feed on the same food
- C. There are four stages: egg, immature, pupa, adult
- D. The immature stage looks similar in form to the adults

59) What of the following insects is **not** associated with water, i.e. lakes and rivers?

- A. Caddisfly
- B. Dragonfly
- C. Mosquito
- D. Rove beetle

60) What insect takes four to eight years to complete their development?

- A. Cicada
- B. Ichneumonid wasp
- C. Mayfly
- D. Stonefly

2017 MN FFA Fish & Wildlife Exam Key

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|-------|--|-------|--|
| 1. B | | 31. C | |
| 2. D | | 32. B | |
| 3. C | | 33. D | |
| 4. C | | 34. D | |
| 5. A | | 35. B | |
| 6. D | | 36. A | |
| 7. A | | 37. A | |
| 8. C | | 38. D | |
| 9. C | | 39. B | |
| 10. D | | 40. A | |
| 11. C | | 41. A | |
| 12. C | | 42. A | |
| 13. A | | 43. A | |
| 14. B | | 44. B | |
| 15. A | | 45. A | |
| 16. D | | 46. B | |
| 17. C | | 47. D | |
| 18. D | | 48. A | |
| 19. A | | 49. B | |
| 20. A | | 50. A | |
| 21. A | | 51. D | |
| 22. D | | 52. A | |
| 23. C | | 53. C | |
| 24. C | | 54. D | |
| 25. D | | 55. D | |
| 26. D | | 56. B | |
| 27. B | | 57. C | |
| 28. A | | 58. C | |
| 29. B | | 59. D | |
| 30. B | | 60. A | |