

2017 Area Entomology Exam

1. A _____ is the stage of development of an insect between the immature form and the adult in holometabolous insects (those insects that go through complete metamorphosis).
A subimago
B third instar
C pupa
D larva
E imago
2. In centipedes, the "fangs" are what type of structure?
A mandibles
B modified mouthparts
C maxilla
D modified legs
3. A _____ is the immature, aquatic stage of a dobsonfly.
A hellgrammite
B ant lion
C hellbender
D grub
4. Blister beetles have what substance in their bodies that can be toxic to livestock?
A serotonin
B chitin
C cantharadin
D resilin
5. This best choice for a chemical to use in an insect kill jar is _____.
A ethyl acetate
B naphthalene
C paradichlorobenzene
D potassium cyanide
6. Collophore and furcula are morphological terms associated with which order of insects?
A Odonata
B Ephemeroptera
C Lepidoptera
D Collembola
7. What order of insect vectors Chagas disease?
A Lepidoptera
B Hemiptera
C Diptera
D Orthoptera
8. Ant lions belong to the order _____.
A Neuroptera
B Coleoptera
C Diptera
D Isoptera
9. Caddisflies belong to the order _____.
A Isoptera
B Lepidoptera
C Trichoptera
D Neuroptera
10. The _____ civilization regarded dung beetles as sacred.
A Roman
B Syrian
C Aztec
D Egyptian
11. The boll weevil *Anthonomus grandis* was a severe cotton pest belonging to which family of beetles?
A Carabidae
B Curculionidae
C Meloidae
D Coccinellidae
12. What is the mouthpart called for feeding within the Lepidoptera?
A proboscis
B pronotum
C pylorus
D paranota
13. The renowned myrmecologist _____ established the field of sociobiology.
A C.V. Riley
B E.O. Wilson
C Carl Linnaeus
D John Bell
14. What was a major cotton pest that was successfully eradicated in the U.S.?
A lygus bug
B stink bug
C boll weevil
D sunflower head moth
15. What are the larva of mosquitoes commonly referred to as?
A dancers
B crawlers
C tumblers
D wigglers
16. Digging legs of mole crickets are what functional type?
A fossorial
B raptorial
C cursorial
D saltatorial

17. In what order of insects are the front wings known as "elytra?"

- A** Orthoptera
- B** Coleoptera
- C** Hymenoptera
- D** Hemiptera

18. A _____ is used to collect ground dwelling, crawling insects.

- A** malaise trap
- B** Berlese funnel
- C** pitfall trap
- D** ultraviolet light trap

19. Urticating hairs are associated with plants, tarantulas and what insect order?

- A** Blattodea
- B** Strepsiptera
- C** Mecoptera
- D** Lepidoptera

20. The following sections are parts of an insect's leg:

- A** Clypeus, corium, tegula and cornicle
- B** coxa, trochanter, femur, tibia and tarsus
- C** Coxa, femur, tibia and mentum
- D** Tegula, cornicle, frenulum, petiole

21. Rachel Carson published a book titled _____ that highlighted pesticide issues and environmental contamination as a result of the overuse of DDT in the mid 20th century.

- A** Silent Spring
- B** A Bug's Life
- C** Sand County Almanac
- D** The Hungry Caterpillar

22. Which insects never develop wings?

- A** earwigs
- B** aphids
- C** fleas
- D** book louse

23. Puddling is a behavior in the _____ where adults aggregate and drink from mud puddles or moist soil.

- A** Phasmatodea
- B** Trichoptera
- C** Thysanoptera
- D** Lepidoptera

24. The whirligig beetle has how many pairs of eyes?

- A** two
- B** one
- C** three
- D** Four

25. The blood of insects is called _____.

- A** hemoglobin
- B** hemocyanin
- C** sebum
- D** hemolymph