

# Evolution & Taxonomy (Entomology)

M.Sc. IV<sup>th</sup> Semester.

(Objective Questions and Answers)  
Model Paper for Students.

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≡ Model Paper ≡

Q. No-1. The name of class of insects is:

- a) Decapoda
- b) Octopoda
- c) Hexapoda ✓
- d) Silverfish

Q. No-2. Which of the following is not an insect?

- a) Spider ✓
- b) Grasshopper
- c) Silverfish
- d) Fly

Q. No-3. Lepisma is commonly known as:

- a) Cattle fish
- b) Starfish
- c) Silverfish ✓
- d) None of these

Q. No-4. Study of insects is called:

- a) Entomology ✓
- b) Ethology
- c) Epidemiology
- d) None of the above

Q. No-5. The class Entognatha includes following orders of insects.

- a) Protura and Collembola
- b) Collembola and Diplura
- c) Protura and Thysanura
- d) Protura, Diplura and Collembola. ✓

6. In which order insects lack antennae :

a) Protura ✓

b) Diplura

c) Thysanura

d) Collembola

7. Springtails belongs to order :

a) Thysanura

b) collembola ✓

c) Protura

d) Diplura

8. The member of the family Machilidae are commonly known as :

a) Springtails ✓

b) Silverfish

c) Firebrats

d) Box-tails

9. Zygoptera is a suborder of following order :

a) Thysanoptera

b) Lepidoptera

c) Diptera ✓

d) Odonata

10. Mayflies belong to the order :

a) Odonata

b) Diptera

c) Ephemeroptera ✓

d) Embioptera

11. Stick insects belong to the family :

a) Phyllidae

b) Acrididae

c) Tettigoniidae

d) Phasmatidae ✓

12. Tympanal organs are present in family:

- a) Acrididae
- b) Gryllidae ✓
- c) Blattidae
- d) Phyllidae

13. Following insect is predatory:

- a) Mantid
- b) Coccinella
- c) Chrysoperla
- d) All of these ✓

14. Bird lice belong to the following order/suborder of insect:

- a) Anoplura
- b) Mallophaga ✓
- c) Siphunculata
- d) Siphonaptera

15. Crab louse belongs to the following family:

- a) Pediculidae ✓
- b) Haematopimidae
- c) Menoponidae
- d) Pulicidae

16. Aphids belong to:

- a) Hemiptera ✓
- b) Orthoptera
- c) Hymenoptera
- d) Coleoptera

17. Pyrilla perpusilla belongs to the following family:

- a) Lophopidae ✓
- b) Gryllidae
- c) Acrididae
- d) None of these

18. Which of the following family is not of order

Hemiptera:

a) Psyllidae

b) Diaspididae

c) Syrphidae ✓

d) Lygacidae

19. Insects of the following family are terrestrial:

a) Dytiscidae

b) Hydrophilidae

c) Meloidae ✓

d) Nepidae

20. Following family is not of Diptera

a) Lepismatidae ✓

b) Culicidae

c) Tabanidae

d) Muscidae

21. Moths belongs to family:

a) Pieridae

b) Papilionidae

c) Nymphalidae

d) Sphingidae ✓

22. Members of the following family are beneficial insects:

a) Bombycidae

b) Apidae

c) Meloidae

d) All of these ✓

23. Spanish fly belongs to the following order:

a) Diptera

b) Coleoptera ✓

c) Hemiptera

d) None of these

24. which of the following orders of insects have entognathus mouthparts?

- a) Thysanura, Diplura
- b) Diplura, odonata
- c) odonata, collembola
- d) Psocoptera, Diplura ✓

25. Following characters are found in insects:

- a) Presence of Antennae
- b) Presence of wings
- ✓ c) Presence of Antennae, three pairs legs, three pairs of thorax. ✓
- d) None of these

26. Apterygote insect is

- a) Lepisma ✓
- b) Cockroach
- c) Ape's
- d) wasp

27. Flying-Squirrel or Paramotor theory of origin of wing in insects was proposed by:

- a) Miller ✓
- b) Hinton
- c) Wigglesworth
- d) Kukulova-Peck

28. Epicoxal or exite theory of origin of wing in insect is given by:

- a) Miller
- b) Hinton
- c) Kukulova-Peck ✓
- d) Douglas

29. wingless insects are kept under :

- a) Apterygota ✓
- b) Pterygota
- c) Both a and b
- d) None of these

30. Pupal stage is found in the life history of the following insect group:

- a) Endopterygota ✓
- b) Exopterygota
- c) Pterygota
- d) None of these

31. Butterfly belongs to the order :

- a) Diptera
- b) Coleoptera
- c) Lepidoptera ✓
- d) Hymenoptera

32. Indian sps of housefly is :

- a) *Musca sarvens*
- b) *Musca domestica* ✓
- c) *Musca nebula*
- d) *Musca indica*.

33. Honey bee belongs to order :

- a) Hymenoptera ✓
- b) Lepidoptera
- c) Coleoptera
- d) Thysanura

34. Silk worm belongs to order :

- a) Orthoptera
- b) Hemiptera
- c) Lepidoptera ✓
- d) Diptera

35. Lac insect belongs to order:

a) Hymenoptera

b) Coleoptera

c) Homoptera

d) Hemiptera ✓

36. Scientific name of Giant water bug is:

a) Lethocerus americanus ✓

b) Leptocoris varicornis

c) Bombyx mori

d) None of these

37. Giant water bug belongs to family

a) Belostomatidae ✓

b) Kalotermitidae

c) Termitidae

d) Formicidae

38. Red pumpkin beetle belongs to the family:

a) Chrysomelidae (order-Coleoptera) ✓

b) Curculionidae

c) Dermestidae

d) Bostrychidae

39. Elytra is the character found in order:

a) Thysanura

b) Hymenoptera

c) Hemiptera

d) Coleoptera ✓

40. Gypsy moth belongs to order:

a) Lepidoptera ✓

b) Psocoptera

c) Coleoptera

d) Diptera

41. Mosquitoes are kept under family:

a) Lepismatidae

b) Pediculidae

c) Culicidae ✓ (order - Diptera)

d) Lampyridae

42. Pediculus belongs to the family:

a) Pediculidae ✓ (order - Amopluera)

b) Culicidae

c) Tabanidae

d) Drosophilidae

43. Red wasp belongs to order:

a) Hymenoptera ✓ family vespidae

b) coleoptera

c) Diptera

d) orthoptera

44. Lemon butterfly belongs to order:

a) orthoptera

b) Homoptera

c) Hemiptera

d) Lepidoptera ✓ (Papilionidae)

45. Horsefly belongs to order:

a) Diptera (family - Tabanidae) ✓

b) Psocoptera

c) Thysanura

d) Hymenoptera

46. San Jose scale insect belongs to order:

a) Lepidoptera

b) coleoptera

c) Hemiptera (family - Diaspididae) ✓

d) Diptera

47. Cockroaches belongs to order :

- a) Dictyoptera ✓
- b) Coleoptera
- c) Diptera
- d) None of the above

48. Dung-rollers (Dung beetle) belongs to order :

- a) Coleoptera (Family - Scarabaeidae) ✓
- b) Dictyoptera
- c) Hymenoptera
- d) None of these

49. Pink bollworm belongs to family :

- a) Gelechiidae (order - Lepidoptera) ✓
- b) ~~Gelechiidae~~ Orosophiliidae
- c) Apidae
- d) Formicidae

50. Grasshopper belongs to order :

- a) Orthoptera (Acrididae family) ✓
- b) Diptera
- c) Hymenoptera
- d) None of the above

Answers - (1 to 50)

1- c	11- d	21- d	31- c	41- c
2- a	12- b	22- d	32- b	42- a
3- c	13- d	23- b	33- a	43- a
4- a	14- b	24- d	34- c	44- d
5- d	15- a	25- c	35- d	45- a
6- a	16- a	26- a	36- a	46- c
7- b	17- a	27- a	37- a	47- a
8- a	18- c	28- c	38- a	48- a
9- c	19- c	29- a	39- d	49- a
10- c	20- a	30- a	40- a	50- a