

NET-2018 Questions (Memory based)

1. Pebrine disease in silkworm attack to which stage(s)?
2. Which of the following insects is an efficient pollinator?
 - a. Honey bees
 - b. Bumble bees
 - c. Butterflies
 - d. All of these
3. Mode of action of Spinosad?
 - a. nAChR inhibitor
 - b. effect on GABA
 - c. both
 - d. none of these
4. Which of the following insecticides is a chloro-nicotinyl insecticide? (Imidacloprid)
5. Which of the following pests is univoltine? (White grub)
6. In which country, biological control has been evolved first? (USA/ India/ China)
7. First time which insect has been utilised in biological control scientifically? (*Rodonia cardinalis*)
8. Which of the following pests is a scavenger? (Termite/ cockroach/ white grub/ cutworm)
9. Which of the followings is not a primary function of blood? (transport of oxygen)
10. Embryologically, origin of trachea? (Ectodermal)
11. Blue disease of cotton is transmitted by? (Aphids)
12. 'Foorki' and 'Katte' disease of cardamom are transmitted by which insect? (Banana aphids)
13. 'Rice tungro virus' is transmitted by? (GLH)
14. 'Citrus declining' disease is transmitted by?
15. Formula of CV? $((SD/Mean) \times 100)$
16. Error degree of freedom for Latin square design with treatment t is ? $((t-1)(t-2))$
17. Digging trench around field is a management practice for which pest? (Red hairy caterpillar/ locust/ grasshopper)
18. Indian honey bee species? (*Apis cerana indica*)
19. Appearance of ants at the base of upland rice is due to which pests? (aphids/termites)
20. Skeletonization of tobacco leaves is due to which pests? (tobacco caterpillar)
21. 'Rimon' is trade name of which chemical?
22. Which of the followings is a chitin synthesis inhibitor? (Buprofezin/Diflubenzuron/Flufenoxuron/ all)
23. Phytoecdysone means?
24. Father of host plant resistance?
25. Who discovered the insecticidal properties of DDT?
26. DIMBOA allelochemicals in maize are under which generation?
27. In rotary duster the air current is generated by? (bellow/ fan/self-propelled jacket)
28. The pump in High volume sprayer is what type? (piston pump/Pneumatic pump)
29. Particle size of Aerosol/fog?
30. In which type of spraying there is comparatively more drift loss? (HVS, LVS, ULVS, Mist blower)

31. Passing of air of low velocity within the grains is called as? (Aeration/ Ventilation)
32. The length of a single silk strand reeled by a silkworm?
33. Which is an actinomycetes fermentation product? (Spinosad)
34. Allelochemicals beneficial to the releaser? (Allomone)
35. Indian insect life book is written by? (Lefroy)
36. Biological species concept was given by? (Linnaeus/Aristotle)
37. Desert locust sc.name? (*Schistocerca gregaria*)
38. The period required for a vector from acquisition to inoculation? (inoculation period/ Latent period)
39. DTTH is secreted by? (CC, CA, PG, Neurosecretory cells)
40. Pests that occur in an area regularly? (Endemic pests)
41. NCIPM located at? (New Delhi)
42. Communication in bees was discovered by? (Karl Von Frish)
43. According to Insecticide act 1968, Pheromones were used for? (attractant/antifeedant/Mating disruption/ all of these)
44. Pheromones secreted by males in? (Cotton boll weevil/Red palm weevil/ banana stem weevil/ all of these)
45. Highly notorious polyphagous pest? (Helicoverpa)
46. Pest common to chick pea and redgram? (Helicoverpa)
47. Early report of wheat variety 'Underhill' was found to be resistance to? (*Mayetiola destructor*)
48. Fourth generation insecticides? (AJHs)
49. Methy eugenol is used to attract? (Fruit fly)
50. Which of the following is a chemosterilant? (TEPA/ METAPA/ HEMPA/ all of these)
51. Swelling of basal part of stem in cotton due to which pest? (Stem weevil)
52. Curling of pod tip and poor pod setting in mustard is due to which insect pest? (Mustard aphids)
53. Which is a typical Lepidopteran predator? (*Dipha aphidivora*)
54. Murda disease in chilli is due to which pest? (Mites)
55. Upward curling in chilli leaves are due to which pest? (Thrips)
56. Insecticide resistance seen in first stored grain pest? (*Tribolium*)
57. Which part of groundnut is attacked by groundnut bruchid? (both Pod n kernel)
58. Suture is a _____. (a groove between two plates/ a structure that gives strength to head when any external pressure is exerted/ both)
59. The population level at which, the economic damage caused by an insect pest is equal to the cost of damage control ? (ETL/EIL/GEP)
60. Dipping a mealy bug in alcohol turning blue is an identification process in which species of mealy bug?
61. 'Green commando' is a? (Entomopathogenic nematode)
62. Fruit fly pupates in? (soil)

63. Blood sugar is? (Trehalose)
64. When a larvae put head inside a hole in cotton boll, the species may be?
(*Helicoverpa*)
65. Which pest is a true stainer of cotton lint? (red cotton bug/PBW/DCB)
66. Which pest of grape is very difficult to control? (flea/Mealy bug)
67. Head type in which the mouthparts are projected forward along the body axis?
(Prognathus type)
68. Silk glands in silkworms are? (labial gland)
69. Scrapping of leaves by both grub and adult stage in potato by which pests?
(*Epilachna* beetle)
70. Pusa bin gives protection against which pest? (Rice weevil/khapra beetle)
71. Webbing of grains in rice is done by? (Angoumois grain moth)
72. Presence of stone flies in water indicates what conditions of water? (polluted/
unhealthy/ clean and healthy)
73. Which of the following chemicals are used as a repellent against mosquitoes?
(DEET/ oil of citronella/ Dimethyl secelate/ all of these)
74. Which of the following chemicals used as a fumigant? (Methyl bromide/ Profume/
Phosphine/ all of these)
75. Which pest feeds on the silks and developing cobs in maize? (*Helicoverpa*)
76. Bt brinjal contain which cry toxins against *Leptinotarsa decimlineata*? (Cry 3a/
Cry 3b)
77. Which of the following is an eco-fumigant?
78. When Na⁺ ions starts moving inside the nerve cells turning positive inside and
negative outside, the condition is called as? (Action Potential)
79. Mechanism of insecticide resistance in insects? (detoxification/excretion/storage/
all)
80. Equipment that convert liquid into different droplets for applying agrochemicals?
(Sprayer)
81. Spray droplet size of coarse size droplets? (200-500 micron)
82. Pollination in lucerne is done by?
83. During flying the wings are moved by which muscle? (indirect flight
muscle/Extrinsic muscle/Intrinsic muscle)
84. The position of wings in thorax? (Dorso-laterally)
85. Number of biotypes in BPH?
86. Mostly used host plants of lac insects in India?(Ber/Kusum/Palas/all)
87. Biopesticides percentage in world pesticides?(1-2%)
88. No of gen of lac insects in a year?(2)
89. Which of the following ia host plant of Tasar silkworm?(*Terminalia arjuna*)
90. IINRG is located at? (Ranchi)
91. Self-rolling mechanism is seen which arthropod? (Millipeds)
92. Cohort is present between? (class and order)
93. Pheromone in queen honeybee is secreted by which glands? (Mandibular glands)

94. Highly evolved insect order is? (Hymenoptera)
95. Conservation of water in insect digestive system is done by which parts? (Rectal pads)
96. Increase of a substance concentration in food chain? (Biomagnification)
97. What is the range of CV for both laboratory and field experiment together? (20 or less)
98. Which sex of lac insect is important for lac production point of view? (Femlae)
99. Type of reproduction in which eggs are formed without fertilization with sperms? (Ovoviviparity/Parthenogenetic/Parthenocarpic/Viviparity)
100. *Epiricania melanoleuca* is an ectoparasitoid against ? (*Pyrilla perpusila*)
101. Which of the following stored grain pests are internal feeder? (rice weevil/ lesser grain borer/ Angoumois grain moth/ all of these)
102. Which of the following pests are secondary feeders? (Flat grain beetle/ saw toothed grain beetle/ long headed flour beetle/ all of these)
103. Cattle screwworm (*Chocliomyia hominivorax*) control using SIT was done in which island? (Island of Rota/ Trinidad/Hawaii/Sanibel)
104. Division of body into different regions?(Tagmosis)
105. Yellow marigold is grown as trap crop in tomato majorly for which pests? (Helicoverpa/ Nematodes// all of these)
106. Recently which pest have been introduced in floricultural crops and causing serious damage?
107. Aphids transmit majorly which group of virus? (semi-persistence)
108. Which crop consumes maximum pesticides? (Rice)
109. Wilting in groundnut with dried roots is caused by? (white grub)
110. Among the following sprayers which of them require less volume of fluid per ha.? (knapsack sprayer/ foot sprayer/ rocker sprayer/ hand sprayer)
111. Insect resistant varieties in India are predominantly which crops?
112. Cornicles are present in? (aphids)
113. Practice of arrangement and diversity studies of species comes under? (Systematics)
114. Meaning of honey flow season?
115. Which of the following insects use polarized light to find food sources? (Honey bee)
116. Crop rotation comes under which control? (cultural control)
117. For reducing development of biotypes what should be done? (varieties having horizontal resistance/ varieties imparting less selection pressure/ .../all of these)
118. Gall produced by gall midge is due to? (enlargement of leaf sheath)
119. Nosema disease in Apis is caused by? (Protozoans)
120. Which equipments are used to study olfaction in insects? (wind tunnel/Olfactometer/ both)
121. Best practice to discard the leftover pesticides? (bury in soil)

122. Shedding of citrus fruits with punctures symptoms? (fruit sucking moth)
123. Silk gland is ___ in origin? (ectodermal)
124. Which of the following rhodenticides is a multidose, slow acting, chronic poison? (Warfarin)
125. Insecticide act was enforced in? (1971)
126. Symptom of Red ant infestation in mango? (webbing of leaves)
127. The primary source of energy in an ecosystem? (solar energy)
128. *Zygogramma bicolorata* used as biological control agent for parthenium is also a pest on? (sunflower)
129. Explanation of word in code is given in ___ in zoological code? (glossary)
130. Lac is secreted from? (resin gland)
131. Best time of spraying against noctuid moths? (afternoon and evening time)
132. *Question related to Chi square test.*
133. *In absence of queen in a bee colony, any practice for the survival of the colony?*