

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2019
(Second Semester)

Branch-BOTANY

ZOOLOGY - II

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks!)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 1 = 10)

- 1 The straight wing present in
(i) Mallophago (ii) Orthoptera
(iii) Hemiptera (iv) Coleoptera
- 2 The following is the examples of the Stick/leaf insect order
(i) Dermaptera (ii) Embioptera
(iii) Mallophaga (iv) Phasmida
- 3 Deart heart disease caused by
(i) *Chilo sp.* (ii) *Spodoptera mauritia*
(iii) *Tryporyza incertulas* (iv) *Earias sp.*
- 4 Spiny boll worm
(i) *Earias insulana* (ii) *Pectinophora gossypiella*
(iii) *Thrips tabaci* (iv) *Chilo sp.*
- 5 Pest affected parts will be removed comes under the method of
(i) field & plant sanitation (ii) Proper cultural method
(iii) chemical method (iv) pest resistance
- 6 Blocks acetyl choline esterase activity in insects by
(i) Physical poison (ii) Protoplasmic poison
(iii) Respiratory poison (iv) Nerve poison
- 7 In Tamilnadu, which is very popular place for rearing silkworm
(i) Coimbatore & Salem (ii) Madurai & Thirunelveli
(iii) Sivaganga & Dindigul (iv) Tirupur & Kanyakumari
- 8 *Phyllactinia corylea* caused by
(i) Powdery mildew (ii) Tukra
(iii) Leaf webber (iv) Foliar spot
- 9 Silkworm killed before emergence as a moth wit hot air oven
(i) Reeling (ii) Mascaridine
(iii) Stifling (iv) Spinneret
- 10 Fungal disease caused by *Beauveria bassiana* and transmitted causes disease
(i) Pebrine (ii) Muscardine
(iii) Flascheria (iv) Grasserie

Cont...

SECTION - B (35 Marks!

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks

(5 x 7 = 35)

- 11 a List out the salient features of Insects.
OR
b Write a short note on Pterygota and Apterygota.
- 12 a Discuss about the pest.
OR
b Explain shortly about *Earias sp.*
- 13 a List out physical methods of pest management.
OR
b Comment on IPM.
- 14 a Give a short note on morphology mulberry plant and its varieties.
OR
b Describe about the propagation of mulberry for the silkworm rearing.
- 15 a Summarize the general characters of life cycle of *Bombyx mori*.
OR
b Give an account on Grasserie disease in silkworm.

SECTION - C (30 Marks!

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks

(3 x 10 = 30)

- 16 Give an account on Collembola, Orthoptera and Hemiptera insects with neat illustration.
- 17 Write an account on any two sugarcane pest life cycle and its control measures.
- 18 Explain in detail about classification of pesticide.
- 19 Discuss briefly about the disease of mulberry.
- 20 Give a detail note on rearing of silkworm and mention their economical importance.

Z-Z-Z

END