

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2022
(Fourth Semester)

Branch – ZOOLOGY

APICULTURE

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry **EQUAL** marks

$$(10 \times 1 = 10)$$

Cont...

SECTION - B (35 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks ($5 \times 7 = 35$)

- 11 a With examples state the indigenous and exotic varieties of honey bees in India.
OR
b Differentiate the morphological & anatomical structures between queen and worker honey bees.
- 12 a Write a short note on “social behavior in honey bees”.
OR
b Write short notes on (i) comb foundation sheet (ii) bee brush (iii) swarm trap.
- 13 a List out the significant nectar and pollen yielding crops of India.
OR
b State the significance of bee hive inspection.
- 14 a Describe the steps involved in colony maintenance during rainy season.
OR
b Describe the steps involved in control of chalk brood and stone brood fungal disease in *Apis*.
- 15 a List out the common by-products and value added products of Apiculture.
OR
b List out the medicinal values of honey.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks ($3 \times 10 = 30$)

- 16 Apiculture industry and marketing is a lucrative business, which offers for employment in India – Justify.
- 17 With suitable illustrations discuss on the construction and significance of Newton's hive, Langstroth hive, bee extractor.
- 18 Give an account on site selection and colony maintenance during dearth period.
- 19 Discuss on the care and maintenance of colony during summer and winter season.
- 20 Give an outline on chemical composition of honey. Add notes on the traditional method of honey extraction.

Z-Z-Z

END