

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024
(Second Semester)

Branch – ZOOLOGY

MAJOR ELECTIVE COURSE-I: ECONOMIC ZOOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Choose the one is commonly called as African night crawlers. a) <i>Eisenia fetida</i> b) <i>Eudrilus eugeniae</i> c) <i>Eisenia hortensis</i> d) <i>Lumbricus terrestris</i>	K1	CO1
	2	Relate the earthworm species is not recommended for Vermicomposting. a) <i>Eudrilus eugeniae</i> b) <i>Eisenia fetida</i> c) <i>Perionyx excavates</i> d) <i>Pheretima Posthuma</i>	K2	CO1
2	3	Tell the following one is not a major objective of Vermicomposting. a) To elevate the value of original material b) To accelerate the rate of degradation c) To obtain toxic products d) To obtain products free of any pollutants	K1	CO2
	4	Match the best chemical used for protecting vermibed from ants. a) DDT b) Griseofulvin c) Chloramphenicol d) Chlorpyriphosphate	K2	CO2
3	5	Find the following one is little honeybee. a) <i>Apis florea</i> b) <i>Apis indica</i> c) <i>Apis dorsata</i> d) <i>Apis mellifera</i>	K1	CO3
	6	Relate the honeybee which develops from the unfertilized egg. a) Worker bee b) Drone c) Queen d) Dammer bee	K2	CO3
4	7	Who designed the first movable hive? a) Aristotle b) Newton c) Langstroth d) Schleiden	K1	CO4
	8	Show the device helps to reduce the aggressive behavior of bees while handling the bees. a) Bee wipe b) Honey extractor c) Bee veils d) Smoker	K2	CO4
5	9	Select the major proportion of mineral in honey. a) Potassium b) Sodium c) Iron d) Calcium	K1	CO5
	10	Relate the following one is used to treat rheumatism. a) Honey b) Royal jelly c) Propolis d) Bee venom	K2	CO5

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SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Organize the exotic species of earthworms.	K3	CO1
	(OR)			
	11.b.	Analyze the environmental requirements for vermiculture practices.	K4	
2	12.a.	Explain the methods of vermicomposting.	K5	CO2
	(OR)			
	12.b.	Discuss the applications of vermiwash.	K6	
3	13.a.	Organize the characteristic features of Indian bee.	K3	CO3
	(OR)			
	13.b.	Identify the nectar yielding plants and their role in Apiary.	K3	
4	14.a.	Elaborate the site selection of a Apiary.	K6	CO4
	(OR)			
	14.b.	Justify the maintenance of honeybees in summer season.	K5	
5	15.a.	Interpret the steps involved in honey extraction process.	K5	CO5
	(OR)			
	15.b.	Estimate the chemical composition of honey.	K6	

SECTION -C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Analyze the life cycle of earthworm.	K4	CO1
2	17	Elaborate the role of vermitechnology in organic farming.	K6	CO2
3	18	Organize the development, life cycle and functions of Queen bee.	K3	CO3
4	19	Discuss the Newton's bee hive model and its advantages.	K6	CO4
5	20	Evaluate the nutritive and medicinal values of honey.	K5	CO5

Z-Z-Z END