REV-01 MSZ/66/71

> M.Sc. ZOOLOGY FOURTH SEMESTER ECONOMIC ZOOLOGY MSZ-406 (MDC)

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Objective)

Time: 30 mins.

Marks: 20

Full Marks: 70

2023/06

SET

Choose the correct answer from the following:

1×20=20

- The droppings of chicks that would fertilise fish ponds are rich in:
 a. Nitrogen
 b. Ammonia
 c. Sulphate
 d. Silicate
- 2. The normal doses of lime desired in composite fish culture ranges from:
 - a. 200 to 250 Kg/ha

b. 6000 to 7000 Kg/ha

c. 600 to 6000 Kg/ha

- d. 777 to 888 Kg/ha
- 3. Which one of the following stages of Pulse beetle *Callosobruchus chinensis* feeds on stored products?
 - a. Egg

b. Larva

c. Pupa

- d. Adult
- 4. Which one of the following is a pest of Sal (Shorea robusta) tree?
 - a. Hoplocerambyx spinicornis

b. Hyblaea puera

c. Andraca bipunctata

- d. Dinoderus minutus
- 5. Defoliator group of pests feed on:
 - a. Fruit

b. Root

c. Seed

- d. Leaf
- 6. Which of the following is/are bee product?
 - a. Honey

b. Wax

c. Propolis

d. All of the above

- 7. Fibroin and Sericin are:
 - a. Sugars

b. Lipids

c. Proteins

- d. None of the above
- 8. The phenomenon of limiting the body limit of the tapeworm is known as:
 - a. Apopysis

b. Apolysis

c. Apostylis

- d. Apotosis
- 9. Which among this parasite category does mosquito fall into?
 - a. Facultative

b. Permanent

c. Obligatory

d. Temporary

- 10. The most common amplifying host of Japanese encephalitis virus is:
 - a. Pig

b. Bat

c. Birds

d. None of the above

11.	Most commonly used breed for IFS in the ca. Indian eagle c. Indian rippler	b.	k-cum fish farming in India are: Indian runner None of the above
12.	ldeal rice species for paddy-cum fish cultu a. Tulsi c. Panidhan	b.	vhich has strong root system is: Rajarajan All of the above
13.	A fish is of good market value if it weighs: a. 9 gm. and abovec. 750 gm. and above		70 gm. and above 11 gm.
14.	Soil fertility decreases in the pesticide-treata. Healthy growth of plantc. Disappearance of soil inhabiting microbes	b.	rrop field due to: Disappearance of pests Increase of yield
15.	Polyphagous pest takes food from plants o a. Any one species c. Both a and b	b.	Any one family Almost all plant families
16.	Sting apparatus of honey bee is the modific a. Ovipositor c. Mesothoracic leg	b.	n of: Prothoracic leg Metathoracic leg
17.	Which of the following silk is known as "A a. Muga Silk c. Mulberry Silk	b.	sa Silk"? Eri Silk Tasar Silk
18.	Silkworms are included in the order: a. Hemiptera c. Coleoptera		Diptera Lepidoptera
19.	How many total pairs of anal papillae are p a. 30 c. 50	b.	ent in male Ascaris? 40 70
20.	Which among these diseases causes hemore a. Japanese encephalitis c. Malaria	b.	ic fever? Dengue All of the above

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USTM/COE/R-01

Descriptive

Time: 2 hr. 30 mins. Marks: 50 [Answer question no.1 & any four (4) from the rest] What is integrated fish farming? Mention some of the different types of 2+8=10 integrated fish farming practiced in India. What is composite fish culture? Outline some of the objectives and 1+2+7=10 principles of composite fish culture and highlight some important aspects of composite fish culture in India. 3. Describe the life cycle of any one of paddy pest. Write the types of 8+2=10damage they do in the paddy field. Why bamboo pests attack the bamboo only after harvesting? Write a 2+8=10 note on life cycle of any one of bamboo pest. 5. Briefly describe about honey bee society. Write about bee products. 5+5=10 2+8=10 Name two host plants of Antherea assama. Explain about rearing process of Muga silkworm. Write a detailed note about the morphological feature and life history 10 traits of Taenia solium. Write in detail about various vectors of malaria and classification based 10

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upon various fever consequences.