63 (FY)SEM–2/SEC2/ZOOSEC1023

2025

ZOOLOGY

(SEC)

Paper : ZOOSEC1023

(Aquaculture)

Full Marks : 40

Pass Marks : 16

Time : Two hours

The figures in the margin indicate full marks for the questions.

1. Choose the correct answer : 1×5=5

(a) The ornamental fishes are known as

(i) Colourful fishes

(ii) Living jewels

(iii) Small fishes

(iv) Beautiful fishes

(b) The Spring Viremia of Carp (SVC) is caused by

(i) Parasite

(ii) Bacteria

(iii) Fungus

(iv) Virus

(c) The pure fish seed is called

(i) Fry

(ii) Fingerlings

(iii) Spawn

(iv) Fertilized fish eggs

(d) The artificial fish breading is known as

(i) Hybridization

(ii) Induced breeding

(iii) Bundh breeding

(iv) None of the above

(e) The integrated fish farming is referred to as

(i) Fish cultivation with other livestock farming

(ii) Fish cultivation with agricultural farming

(iii) Fish cultivation with poultry farming

(iv) All of the above

2. Answer the following questions in short : ***(any five)*** 2×5=10

(a) What are the common aquatic weeds in aquaculture ?

(b) What is the aim of broodstock management in fish ?

(c) What do you mean by composite fish culture ?

(d) Write *two* characters of ornamental fishes.

(e) What is the significance of water quality management in aquaculture ?

(f) What is the difference between pen and cage culture ?

(g) Write the name of *two* common cultivable carp fishes.

3. Answer the following questions : ***(any three)*** 5×3=15

(a) Write about the different types of culture system in aquaculture.

(b) Write about the management of finfish hatcheries.

(c) What are the common fish diseases? Write their control measure?

(d) What is the role of compound diets of fishes in aquaculture?

(e) What are the advantages of polyculture in aquaculture?

4. Answer the following question : ***(any one)*** 10×1=10

(a) What is sustainable aquaculture? Describe the role of biotechnology in fish culture. 3+7=10

(b) Write about the construction and management of fish pond and explain the productivity measurement in aquaculture. 5+5=10
