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Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH/APRIL 2015

(U.G.—CCSS)

Zoology—Elective Course

ZO 6B 17 (E02)—AQUACULTURE, ANIMAL HUSBANDRY AND POULTRY SCIENCE

Time : Three Hours

Maximum : 30 Weightage

I. Answer all *twelve* questions :

(A) Multiple choice questions :

1 The Indian major carp :

(a) *Etroplus*.

(b) *Catla catla*.

(c) *Tilapia*.

(d) *Mugil cephalus*.

2 The cultivable species of freshwater prawn :

(a) *Penaeus indicus*.

(b) *Metapenaeus dobsoni*.

(c) *Macrobrachium rosenbergii*.

(d) *Penaeus monodon*.

3 The exotic breed of cattle :

(a) Ongole.

(b) Nagori.

(c) Vechur.

(d) Jersey.

4 The air breathing fish :

(a) *Heteropneustes*.

(b) *Labeo rohita*.

(c) *Cirrhinus mrigala*.

(d) *Etroplus*.

(B) Name the following :—

5 The ornamental fish known by the nick name Miss Kerala.

6 A common bacterial disease of poultry.

7 The climbing perch.

8 Embanked brackish water enclosures used for aquaculture.

(C) Fill in the blanks :

9 _____ is commonly called orange chromide.

10 _____ are small and shallow ponds used for nursing the hatchings.

Turn over

11 The traditional brackish water prawn farming technique prevalent in Kerala is called _____.

12 The mussel until it reaches about 1 cm from settlement is referred to as _____.

(12 × ¼ = 3 weightage)

II. Answer all nine questions :

13 What is cryopreservation ?

14 Write a note on Pokkali culture.

15 Give the scientific names of two mussel species cultivated in Kerala.

16 What is fish dropsy ?

17 Name *two* forage fishes used in murrel culture.

18 What are purse seines ?

19 What is Ranikhet disease ?

20 What is pasteurization ?

21 What is meant by dual purpose breeds of cattle ? Give an example.

(9 × 1 = 9 weightage)

III. Answer any *five* questions :

22 Describe the different techniques practiced in mussel culture.

23 Give a detailed account of the feeds and fodders of dairy animals.

24 What are gill nets and drift nets ?

25 Explain the different methods practiced in poultry housing.

26 Illustrate the technique of eye stalk ablation. What are its advantages ?

27 Explain the biology and culture of Catla, catla.

28 Give an account of the utilization of sewage in fish culture.

(5 × 2 = 10 weightage)

IV. Answer any *two* questions :

29 Give a detailed description of two exotic and two indigenous breeds of fowl. Explain different types of breeding systems of fowl.

30 Write an essay on economically important fish by products.

31 Enumerate the various diseases and parasites found in cattle.

(2 × 4 = 8 weightage)