# Principle of Aquaculture

MCQ

1. Catadromous means

a) Sea to river

b) River to sea

c) River to estruary

d) One pond to another pond

Ans: b

2. Larvae of eel are called\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) Leptocephali

b) Phyllosoma

c) Spawn

d) Mysis

Ans: a

3. Chilka lake is situated in

a) Tamilnadu

b) Between tamilnadu and Orissa

c) Calorimeter

d) Torrymeter

Ans: d

4. Chilka lake is situated in\_\_\_\_\_\_\_\_\_\_\_

a) Tamilnadu

b) Between tamilnadu and Orissa

c) Orissa

d) None of the above

Ans: c

5.

a) Horizontal opening

b) Only for stabilize the net

c) Vertical opening

d) Both net stabilization and vertical opening

Ans: d

6. Aquaculture refers to

a) Culture of water –living form

b) Culture of shrimp

c) Cage culture

d) None of these

Ans: a

7.

a) July 10

b) September 7

c) November 1

d) November 21

Ans: d

8.

a) Nitrosomonas

b) Nitrobactor

c) Anabena

d) Chemosynthetic bacteria

Ans: b

9. Scientific name of cobia\_\_\_\_\_\_\_\_\_\_\_\_\_

a) *Rastrelliger kanangurta*

b) *Rachycentron canadum*

c) *Dicentrachus labrax*

d) *Lates calcarifer*

Ans: b

10. India’s coastal length

a. 8349 km

b. 7129 km

c. 8129 km

d. 7674 km

Ans: c

11.

a. As a feed

b. As a fertilizer

c. As a fish toxicant

d. None of the above

Ans: c

12.

a. Super saturation of oxygen in culture

water

b. Super saturation of nitrogen in culture

water

c. Super saturation of environmental gases

in culture water

d. All of the above.

Ans: a

13. Abbreviation : IMTA

Ans: Integrated Multitropic Aquaculture

14. Riboflavin is \_\_\_\_\_\_\_\_\_\_\_\_\_

a. Vit. A b. Vit. B1 c. Vit. C d. Vit. B2

Ans: d

15. \_\_\_\_\_\_\_\_\_\_\_\_\_ is known as aquatic chicken.

a. Tilapia b. Rohu c. Calbasu d. Gold fish

Ans: a

16. Where the first cage culture was originated ?

a. Cambodia b. Mekong c. Norway d. America

Ans: a

17.Dissolved oxygen content is less during\_\_\_\_\_\_\_\_\_\_\_\_\_

a. Mid- day b. Morning c. Night d. All

Ans: b

18. Fish is a vertebrate animal.

a. Yes b. No

Ans: a

19. The range of pH scale is

a. 0-14 b. 0-7 c. 7-14 d. 10-14

Ans: a

20. Rohu is a \_\_\_\_\_\_\_\_\_\_\_\_\_ feeder.

a. Surface b. Column c. Bottom

Ans: b

21. Origin of Nutrition is derived from\_\_\_\_\_\_\_\_\_\_\_\_\_ word

a. Greek b. Indian c. Latin d. None

Ans: c

22.Proteins are made up of \_\_\_\_\_\_\_\_\_\_\_\_\_

a. Glucose b. Protein c. Amino acids d. Enzyme

Ans: b

23. Vitamins are \_\_\_\_\_\_\_\_\_\_\_\_\_

a. Macronutrient b. Micronutrient c. None

Ans: b

24. Tea seed cake contains

a. Rotenone b. Saponin c. Both d. None

Ans: b

25. Native of common carp \_\_\_\_\_\_\_\_\_\_\_\_\_

a. India b. Pakisthan c. China d. Maldives

Ans: c

26. Ideal soil for aquaculture

a) loam soil

b) Clayeloam soil

c) Muddy soil

d) Sandy soil

Ans: b

27. Euryphagic means \_\_\_\_\_\_\_\_\_\_\_\_\_

a. Feeding on selected type of food

b. Feeding on single type of food

c. Feeding on variety of food

d. All types

Ans: c

28. Level of management is more in \_\_\_\_\_\_\_\_\_\_\_\_\_

a. Extensive system

b. Semi-intensive system

c. Intensive system

d. None

Ans: c

29. Anadromous means

a. Migrate from Sea to river

b. Migrate river to sea

c. Migrate from pond to river

d. Migrate from lake to pond

Ans: a

30. No input system is \_\_\_\_\_\_\_\_\_\_\_\_\_

a. Extensive system

b. Semi-intensive system

c. Intensive system

d. None

Ans: a

31.What is Aquaculture?

A. Culture of silkworm

B. Culture of tissues

C. Culture of aquatic plants and animals

D. Culture of bees

Ans: c

32. ICAR is

A. Indian Council of Agricultural Research

B. Indian Coastal Aquacultural Research

C. Indian Council of Aquatic Research

D. Institute for Coastal Area Research

Ans: a

33. The first step in fertilization of a pond is the application

A. Fertilizer

B. Quick lime

C. Bordow mixture

D. Slacked lime

Ans: b

34. Aquaculture process comes under?

A. Pond culture

B. Pen culture

C. Cage culture

D. All the above

Ans: d

35. Aeration is done in the aquarium?

A. To reduce the temperature

B. To increase the dissolved oxygen

C. For both the purposes

D. For none of these

Ans: b

36. Transparency of water is measured by

A. Hydrometer

B. Ecco sounder

C. Naphlometer

D. Secchi disc

Ans: d

37. *Pokkali* is the term used for

A. Village pond

B. Kind of cage

C. Paddy field

D. Bhasabadha

Ans: c

38. Fishes in the culture ponds come to the surface in the morning for want of

A. Oxygen

B. Food

C. Sunlight

D. Shade

Ans: a

39. Polyculture means

A. Culture of more than one variety of fish

B. Culture of fish in a pond

C. Culture of prawns in a pond

D. Culture of crabs in a pond

Ans: a

40. Blue revolution is related to

A. Agriculture

B. Fisheries

C. Horticulture

D. Poultry

Ans: b

41. On the basis of salinity, aquaculture system can be classified as

A. Freshwater aquaculture

B. Brackishwater aquaculture

C. Marinewater aquaculture

D. All of the above

Ans: d

42. A fish has no

A. Tail

B. Neck

C. Head

D. Trunk

Ans: b

43. Recommended nitrogen fertilizer in an acidic pond is

a) Ammonium sulphate

b) Diammonium phosphate

c) Pottasiun nitrate

d) Urea

Ans: a

44. Which farming technology is eco-friendly & scientific

a) Extensive

b) Semi-extensive

c) Intensive

d) Super intensive

Ans: b

45. Application of Gypsum in a pond corrects the

a) pH b) Alkalinity

c) Hardness d) Turbidity

Ans: a

46. Campbell is variety of

a) Duck b) Pig

c) Fish d) Aquatic plants

Ans: a

47. Gas produced in pond from metabolic waste for which lethality depends on pH

a) Nitrogen b) Carbon dioxide

c) Hydrogen sulphide d) Methane

Ans: a

48. Which one is an exotic fish

a. *Chanos chanos*

b. *Lates calcarifer*

c. Mahseer

d. Rainbow trout

Ans: d

49. Chara is a

a. Aquatic inset

b. Floating aquatic weed

c. Marginal weed

d. Submerged aquatic weed

Ans: d

50. The World Fisheries Day is observed on

a. 20th January

b. 21st November

c. 15th March

d. 10th July

Ans: b

51. Superior mouth in *Catla catla* is the adaptation for

a. Feeding in top of water

b. Swimming

c. Feeding at bottom

d. Breeding

Ans: a

52. Limiting nutrient during stationary phase is

a. CO2

b. Nitrate

c. Ammonia

d. Nitrite

Ans: a

53. Spawn is developed post …….. after hatching

a. 36 hrs

b. 72 hrs

c. 94 hrs

d. 120 hrs

Ans: b

54. Application dose of mahua oil cake in a hactre pond is

a. 1000kg

b. 1500kg

c. 2000kg

d. 2500kg

Ans: d

55. Stocking density of carp brood-stock in a hactre pond is

a. 500 kg

b. 1000 kg

c. 1500 kg

d. 2500 kg

Ans: c

56. Stocking density of carp spawn in earthen nursery (1ha) is

a. 1 million

b. 2 million

c. 3 million

d. 10 million

Ans: c

57. Which of the following can be used to control turbidity

a. Cattle manure

b. Gypsum

c. Alum

d. All of the above

Ans: d

58. Weight of 1 million carp spawn is (approx.)

a. 1 kg

b. 1.5 kg

c. 2.0 kg

d. 2.5 kg

Ans: b

59. Which of the following is a column feeder

a. L. gonius

b. L. fimbriatus

c. P. sarana

d. All of the above

Ans: d

60. Khaddas are located at

a. Gulf of Mannar

b. Gulf of Kutch

c. Palk Bay

d. Andaman

Ans: a

61. Ghazani traditional culture systems are located in

a. West Bengal

b. Orissa

c. Karnataka

d. Goa

Ans: c

62. 0xygen depletion will occurs in ponds due to high density of\_\_\_\_\_\_\_\_\_\_\_\_\_

a) Insects

b) Air breathing fishes

c) Bacteria

d) Macrophytes

Ans: d

63. Which is not true fish?

a) Star fish

b) Jelly fish

c) Sea horse

d) Cuttle fish

Ans: b

64. The nitrogen fixing symbiotic blue green alga present in aquatic fern

a) Azolla pinnata

b) Nitrosomonas

c) Anabaena azollae

d) Nostac

Ans: d

65. Padu fishing is famous in

a. Chilka lake

b. Pulicat lake

c. Vembanad lake

d. Kolleru lake

Ans: b

66. The ideal depth for fish rearing pond is

a. 1.5-2m

b. 0.5-2m

c. 2-2.5m

d. 1-1.5m

Ans: d

67. Chinese hatchery otherwise called as

a) Jar hatchery

b) Rectangular hatchery

c) Galveston system

d) Eco hatchery

Ans: d

68. Heteropneustes fossilis is a

a) Bottom feeder

b) Carnivore

c) Plankton feeder

d) Surface feeder

Ans: b

69. Milk fish is a

a) Omnivore

b) Insectivore

c) Herbivore

d) Carnivore

Ans: a

70. Guppys are

a) Viviparous

b) Oviparous

c) Ovoviviparous

d) Livebearers

Ans: d

71. Water hyacinth is a native plant of

a) South America

b) Africa

c) Brazil

d) Australia

Ans: a

72. Ceratophyllum is a

a) Floating weed

b) Submerged weed

c) Emerging weed

d) Marginal Weed

Ans: b

73. Largest freshwater lake in

Andhra pradesh

a) Pulicate lake

b) Kolleru

c) Poondi

d) All of these

Ans: b

74. Winkler method used in estimation of

a. DO c. CO2

b. Organic carbon d. Alkalinity

Ans: a

75. Integrated fish culture started in which country

a. India c. China

b. Bangladesh d. Egypt

Ans: c

76. Carp with fringed mouth

a. Silver carp c. Rohu

b. Grass carp d. Mrigal

Ans: c

77. Fish that easily breed in pond is

a) Grass carp b) Catla

c) Common carp d) None

Ans: c

78. Catla has \_\_\_\_\_\_\_\_\_\_\_\_type of mouth

a) Superior

b) Inferior

c) Sub terminal

d) Terminal

Ans: a

79. The nitrogen fixing symbiotic blue green alga present in aquatic fern

a) Azolla pinnata

b) Nitrosomonas

c) Anabaena azollae

d) Nostac

Ans: d

80. Toxin present in cotton seed meal

a) Phytic acid

b) Tetrodotoxin

c) Gossypol

d) Haemtoxin

Ans: c