

FISHERIES

1. In fish culture, Costiasis is caused by
 - (A) Mustigophoresis
 - (B) Mustigophore
 - (C) Mastigophore
 - (D) Mastigophorii
2. Herbivores have good capacity to digest CHO than
 - (A) Protein and fat
 - (B) Vitamins
 - (C) Minerals
 - (D) None of the above
3. Black gill disease in shrimp is caused due to
 - (A) High organic content alone
 - (B) High organic content, debris, ammonia and H_2S
 - (C) Debris alone
 - (D) H_2S alone
4. Example for a Cytozoic parasite is
 - (A) Diphyllbothrium
 - (B) Microsporadia
 - (C) Nematodes
 - (D) Cestodes
5. Traditional coastal aquaculture systems in India are
 - (A) Bheries (Kerala) + Pokkali (WB) + Khazan (Goa) + Khar (Karnataka) + Ghery (Odisha)
 - (B) Bheries (Goa) + Pokkali (Kerala) + Khazan (WB) + Khar (Karnataka) + Ghery (Odisha)
 - (C) Bheries (WB) + Pokkali (Kerala) + Khazan (Goa) + Khar (Karnataka) + Ghery (Odisha)
 - (D) Bheries (WB) + Pokkali (Kerala) + Khazan (Odisha) + Khar (Karnataka) + Ghery (Goa)

6. Control of Water pH within the optimum of 7.5 - 8.5, requires limiting diurnal pH fluctuation to
- (A) < 1.5
 - (B) < 0.5
 - (C) < 2
 - (D) < 0.01
7. Loamy soil refers to
- (A) Clay + Silt + Sand + Gravel
 - (B) Clay + Silt
 - (C) Clay + Silt + Sand + Gravel + Pebbles
 - (D) Clay + Silt + Sand
8. FCE is the reciprocal of
- (A) Protein Efficiency Ratio and expressed in %
 - (B) Feed Conversion Efficiency and expressed in %
 - (C) Specific Growth Rate and expressed in %
 - (D) Feed Conversion Ratio and not expressed in %
9. IMTA means
- (A) Internal Multi-Trophic Aquaculture
 - (B) Integrated Multi-Trophic Agriculture
 - (C) Integrated Multi-Trophic Aquaculture
 - (D) Impressed Multi-Trophic Aquaculture
10. Rectangular pond should be oriented north to south in order to maximize the
- (A) Sunlight hitting pond
 - (B) Moon hitting pond
 - (C) Bottom hitting pond
 - (D) None of the above
11. The test to know whether the soil has clay or not is called as
- (A) Institute Test
 - (B) Institution Test
 - (C) Insitu Test
 - (D) Integrated Soil Test

12. Undersized lobsters are
- (A) > 100 g
 - (B) $100 - 200$ g
 - (C) < 100 g
 - (D) > 200 g
13. Longer sides should be oriented parallel to prevailing wind direction so that the pond aeration can be increased in
- (A) Circular pond
 - (B) Triangle pond
 - (C) Square ponds
 - (D) Rectangular ponds
14. “Overall Protecting Structure” of a pond is
- (A) Secondary dike
 - (B) Main dike
 - (C) Tertiary dike
 - (D) Partition dike
15. Live feeds are considered as
- (A) Living Capsules of Nutrition
 - (B) Non Living Capsules of Nutrition
 - (C) Aquatic feed
 - (D) Non aquatic feed
16. Microalgae, grown typically, contain more protein in
- (A) Decline phase
 - (B) Lack phase
 - (C) Lag phase
 - (D) Log phase
17. Soil Texture consists of
- (A) Silt + Sand + Cobble
 - (B) Clay + Silt + Sand
 - (C) Soil + Sand + Seepage
 - (D) Clay + Sand + Grain

18. Identified Brackishwater area in India is
- (A) 0.24 million ha
 - (B) 112.4 million ha
 - (C) 11.24 million ha
 - (D) 1.24 million ha
19. Three major causes of fish diseases are
- (A) Parasitic, non parasitic and nutritional factors
 - (B) Stress, poor intake and poor soil
 - (C) Poor water quality, environmental pathogens and low resistance of fish stock
 - (D) None of the above
20. Better production and lower risk of disease outbreaks is noticed in
- (A) Foggy water
 - (B) Yellow water
 - (C) Green water
 - (D) Black water
21. In most cases, the haemolymph of healthy shrimp will coagulate as little as in
- (A) 10 seconds
 - (B) 60 seconds
 - (C) 1 minute
 - (D) 110 seconds
22. Milk fish prefer
- (A) Geosmin
 - (B) Lumet
 - (C) Lab lab
 - (D) None of the above
23. IPN stands for
- (A) Internal Pond Necrosis
 - (B) Infections Pancreatic Necrosis
 - (C) Infectious Pyramid Necrosis
 - (D) Infectious Pond Necrosis

24. The three steps involved in *Artemia* hatching are
- (A) Hydration + Decapsulation + Hatching
 - (B) Decapsulation + Hatching + Hydration
 - (C) Decapsulation + Hydration + Hatching
 - (D) Hydration + Hatching + Decapsulation
25. Large scale 'vannamei' shrimp farming was introduced in
- (A) 2011
 - (B) 1985
 - (C) 2009
 - (D) 1995
26. The scientific name of 'pearl spot' is
- (A) *Lates calcarifer*
 - (B) *Etroplus suratensis*
 - (C) *Mugil cephalus*
 - (D) None of the above
27. Brachionus is a
- (A) Rotifer
 - (B) Artemia
 - (C) Moina
 - (D) Daphnia
28. The specific gravity of fish is
- (A) 1.02 - 1.06
 - (B) 1.03 - 1.04
 - (C) 1.04 - 1.05
 - (D) 1.05 - 1.06
29. Fresh water ecology is also called as
- (A) Hydrology
 - (B) Limnology
 - (C) Meteorology
 - (D) None of the above

30. Area which remains underwater at high tide and remains terrestrial at low tide
- (A) Wetland
 - (B) Intertidal zone
 - (C) Beach
 - (D) None of the above
31. Apex body in agriculture and related allied fields including research and education is
- (A) ICAR
 - (B) IARI
 - (C) ICMR
 - (D) IASRI
32. New entrant in Indian mariculture sector is
- (A) Marine Pen Culture
 - (B) Marine Cage Culture
 - (C) Brackishwater Cage Culture
 - (D) Freshwater Cage Culture
33. Phyllosoma is a larval stage of
- (A) Lobsters
 - (B) Eels
 - (C) Mussels
 - (D) Crabs
34. Fish popularly known as the Aquatic chicken is
- (A) Zebra fish
 - (B) Brown trout
 - (C) Cobia
 - (D) Tilapia
35. In India, the first sea cage was established by CMFRI during 2007 at
- (A) Chennai
 - (B) Vijayawada
 - (C) Gujarat
 - (D) Visakhapatnam

36. The example for plant derivatives based fish toxicant is
- (A) Mahua Oil Cake
 - (B) Aldrin
 - (C) Endrin
 - (D) Super Phosphate
37. First RAS was started in
- (A) Korea
 - (B) China
 - (C) Japan
 - (D) USA
38. Major ornamental fish exporting center of India is
- (A) Mumbai
 - (B) Kolkata
 - (C) Chennai
 - (D) Paradip
39. An indigenous species of ornamental fish among the following is
- (A) *Puntius denisonii*
 - (B) *Astronotus ocellatus*
 - (C) *Carassius auratus*
 - (D) *Helostoma temminckii*
40. Which among the following is known as Amazon sword plant?
- (A) *Echinodorus sp.*
 - (B) *Cabomba sp.*
 - (C) *Eichhornia crassipes*
 - (D) *Salvinia*
41. *Paramoecium* can be cultured in a medium containing
- (A) Banana peelings
 - (B) Cabbage
 - (C) Potato
 - (D) All the above

42. Moisture content of dry feed will be in the range of
- (A) 15-35
 - (B) > 35
 - (C) 8-12
 - (D) < 8
43. During transportation of ornamental fishes, the ratio between oxygen and water in the transport polythene bag will be
- (A) 1:3
 - (B) 3:1
 - (C) 1:4
 - (D) 4:1
44. Conditioning of brood fish can be achieved by a varied diet with increased content of
- (A) Carbohydrate
 - (B) Protein
 - (C) Fat
 - (D) Minerals
45. Hydraulic radius of a canal is calculated by
- (A) Cross section area of a dike / wetted perimeter
 - (B) Cross section area of a dike / dry perimeter
 - (C) Cross section area of a channel / wetted perimeter
 - (D) Cross section area of a bund / wetted perimeter
46. A marginal aquatic plant among the following is
- (A) *Echinodorus*
 - (B) *Najas*
 - (C) *Potamogeton*
 - (D) *Utricularia*
47. Cow dung is the medium for culturing
- (A) Mosquito larvae
 - (B) Rotifer
 - (C) Infusoria
 - (D) None of the above

48. Angel fish is a
- (A) Bubble nest builder
 - (B) Egg scatterer
 - (C) Viviparous fish
 - (D) Egg depositor
49. Which among the following is a cladoceran?
- (A) *Brachionus*
 - (B) *Chlorella*
 - (C) *Daphnia*
 - (D) *Isochrysis*
50. The process involved in improving nutritional status of live food organisms is
- (A) Bleaching
 - (B) Hydration
 - (C) Chorion
 - (D) Bio-encapsulation
51. The addition of which one of the following further buffers the water against pH changes in algal tanks?
- (A) O_2
 - (B) HCO_2
 - (C) O_3
 - (D) CO_2
52. Natural collections of algae kept in culture vessels in laboratory is called as
- (A) Maintenance culture
 - (B) Enrichment culture
 - (C) Unialgal culture
 - (D) Axenic culture
53. CAA is responsible for granting permission to
- (A) Import shrimp broodstock and culture
 - (B) Culture Alone
 - (C) Import shrimp broodstock alone
 - (D) Certification of products

54. Zooplankton samples can be preserved in
- (A) Glucose
 - (B) HCl
 - (C) Formalin
 - (D) Spirit
55. Fertilizing the fish pond increases the abundance of
- (A) Artificial fish food
 - (B) Complete fish food
 - (C) Supplementary fish food
 - (D) Natural fish food
56. Biofloc Technology (BFT) involves
- (A) Autotrophic Bacteria + Nitrogen
 - (B) Bacteria + Nitrogen + Carbon + Phosphorus
 - (C) Heterotrophic Bacteria + Nitrogen
 - (D) Heterotrophic Bacteria + Nitrogen + Carbon
57. Diatoms come under
- (A) Cyanophyceae
 - (B) Bacillariophyceae
 - (C) Chlorophyceae
 - (D) Protozoa
58. Example for annelid is
- (A) Mosquito worm
 - (B) Green worm
 - (C) Tubifex
 - (D) Yellow Worm
59. Artemia is a
- (A) Selective filter feeder
 - (B) Non selective filter feeder
 - (C) Partially selective filter feeder
 - (D) Semi selective filter feeder

60. The "stable tea" rearing system is a culture medium and is made up of a mixture of
- (A) Oil, manure and water
 - (B) Manure and water
 - (C) Oil and manure
 - (D) $\text{CO}_2 + \text{C} + \text{O}_2$
61. Three tier modular system for mud crab was developed by
- (A) CIFA
 - (B) CMFRI
 - (C) CIBA
 - (D) CIFRI
62. Synthesis of organic carbon through the process of photosynthesis is called as
- (A) Primary Production
 - (B) Tertiary Production
 - (C) Secondary Production
 - (D) Swarming
63. Fishes that feed on crustaceans are called as
- (A) Insectivores
 - (B) Piscivorous
 - (C) Carcinophagous
 - (D) Malacophagous
64. Base of the food chain is occupied by
- (A) Zooplankton
 - (B) Bloom
 - (C) Benthos
 - (D) Phytoplankton
65. Area of land within a distance of 2 km HT of sea, river, creeks and back water is
- (A) Mariculture Area
 - (B) Coastal Area
 - (C) Open Mariculture Area
 - (D) Off Shore Area

66. The RAS involves
- (A) Autotrophic Bacteria + Nitrogen
 - (B) Heterotrophic Bacteria + Nitrogen + Carbon
 - (C) Heterotrophic Bacteria + Nitrogen
 - (D) Bacteria + Nitrogen + Carbon + Phosphorus
67. Bloom of *Fragiilaria oceanica* is an indication of abundance of
- (A) Oil sardine
 - (B) Anchovies
 - (C) Catfishes
 - (D) Indian major carps
68. The adhesive eggs are produced by
- (A) Catla
 - (B) Silver carp
 - (C) Grass carp
 - (D) Common carp
69. The scientific name of Silver carp is
- (A) *Aristichthys nobilis*
 - (B) *Ctenopharyngodon idellus*
 - (C) *Hypophthalmichthys molitrix*
 - (D) *Cyprinus carpio*
70. GIFT Tilapia is
- (A) Genetically modified fish
 - (B) Transgenic fish
 - (C) Genetically improved fish
 - (D) None of the above
71. Which of the following is not an air breathing fish
- (A) Magur
 - (B) Singhi
 - (C) Murrel
 - (D) Pangasius

72. The optimal temperature for cold water fisheries is
- (A) 0 – 20 °C
 - (B) 10 – 20 °C
 - (C) 10 – 40 °C
 - (D) 0 – 10 °C
73. Eutrophication of lakes is an indication of
- (A) Excessive nutrient enrichment
 - (B) Optimal level of nutrients
 - (C) Accumulation of sediments
 - (D) None of these
74. Optimal range of pH for fish culture is
- (A) 6 – 10
 - (B) 5.5 – 9.0
 - (C) 5 – 8
 - (D) 6.5 – 8.5
75. The most important river system from fisheries point of view is
- (A) Brahmaputra
 - (B) Indus
 - (C) Ganga
 - (D) Mahanadi
76. Induced breeding technology for Sea bass was developed by
- (A) CIBA
 - (B) CIFA
 - (C) CMFRI
 - (D) CIFE
77. The estuarine water resources of India is estimated at
- (A) 2.11 million ha
 - (B) 1.88 million ha
 - (C) 1.44 million ha
 - (D) 1.20 million ha

78. Which one of the following is an example for a fish that shows anadromous migration?
- (A) Hilsa
 - (B) Eel
 - (C) Anabas
 - (D) Bombay duck
79. The largest estuarine system in India is
- (A) Godavari
 - (B) Mahanadi
 - (C) Narmada
 - (D) Hooghly Matlah
80. Both lotic and lentic characters are seen in
- (A) Rivers
 - (B) Tanks
 - (C) Reservoirs
 - (D) Lakes
81. The indigenous cold water fish group is
- (A) Salmons
 - (B) Mahaseers
 - (C) Trouts
 - (D) Tenches
82. The first successful induced breeding of carps was achieved by
- (A) Dr. Alikunhi and Dr. Chaudhury
 - (B) Dr. Sundarraj
 - (C) Dr. Khan and his group
 - (D) None of the above
83. *Ipomoea* is a
- (A) Floating weed
 - (B) Marginal plant
 - (C) Emergent plant
 - (D) Submerged plant

84. The phase of rearing spawn to fry stage is called as
- (A) Fingerling phase
 - (B) Nursery phase
 - (C) Rearing phase
 - (D) Grow out phase
85. Largest Freshwater lake in the world by surface area is
- (A) Lake Superior
 - (B) Lake Victoria
 - (C) Vembanad lake
 - (D) Chilka lake
86. The organ that helps in maintaining buoyancy in fishes
- (A) Pelvic fins
 - (B) Dorsal fins
 - (C) Swim bladder
 - (D) Caudal fin
87. *Calanus* is a
- (A) Fish Parasite
 - (B) Fungus
 - (C) Zooplankton
 - (D) Phytoplankton
88. The Indian Environment Protection Act (EPA) was enacted in
- (A) 1990
 - (B) 1986
 - (C) 1985
 - (D) 2002
89. Fish oils are rich in
- (A) Poly unsaturated fatty acids
 - (B) Palmitic
 - (C) Oleic
 - (D) Squalene

90. A seaweed extract from Red sea weed is
- (A) Gelatin
 - (B) Alginate
 - (C) Pectin
 - (D) Agar
91. Solar fish drier has been developed by
- (A) CIFT
 - (B) CFTRI
 - (C) CIFA
 - (D) CIFNET
92. IQF means
- (A) Internally fully frozen
 - (B) Individual quick freezing
 - (C) Improved quality fish
 - (D) Innovative quality freezing
93. The first Krishi Vigyan Kendra was established in the year
- (A) 1979
 - (B) 1985
 - (C) 1947
 - (D) 1974
94. The puffer fish poisoning is due to
- (A) Saxitoxin
 - (B) Tetrodotoxin
 - (C) Ciguatoin
 - (D) Yessotoxin
95. The code of conduct for Responsible Fisheries was adopted by FAO in the year
- (A) 1990
 - (B) 1998
 - (C) 1995
 - (D) 1996

96. The Coastal Aquaculture Authority of India is/was established under
- (A) Act of Parliament
 - (B) State legislatures
 - (C) ICAR regulation
 - (D) None of the above
97. 17 Alpha-Methyltestosterone is a/an
- (A) Inducting agent
 - (B) Estrogen
 - (C) Cryopreservative
 - (D) Androgen
98. Soap-oil emulsion is used in fish nursery rearing to eradicate
- (A) Weed fishes
 - (B) Aquatic weeds
 - (C) Predatory fishes
 - (D) Aquatic insects
99. Temperature conditions required for sterilizing microbial media by autoclave
- (A) Less than 121°C for 10 minutes
 - (B) 100 °C for 10 minutes
 - (C) 300 °C for 10 minutes
 - (D) 121 °C for 15 minutes
100. Red tide in marine waters is mainly caused by
- (A) Diatoms
 - (B) Dinoflagellates
 - (C) Seaweeds
 - (D) Sewage
101. Which of the following is called as a Brook trout?
- (A) *Barilius bola*
 - (B) *Barilius bendelisis*
 - (C) *Salvelinus fontinalis*
 - (D) *Barilius vagra*

102. Epizootic Ulcerative Syndrome (EUS) disease is also known as

- (A) Bacterial Disease
- (B) White Spot Disease (WSD)
- (C) Air Bubble Disease
- (D) Mycotic Granulomatosis (MG)

103. Rigor Mortis in fish is characterized by

- (A) Shrinkage of fish fillet
- (B) Shortening, drip loss and tougher texture
- (C) Drip loss
- (D) All of the above

104. Which of the following is not a diatom?

- (A) *Chaetoceros*
- (B) *Ditylum*
- (C) *Dinocerous*
- (D) *Biddulphia*

105. The non-point source pollution is by

- (A) Domestic sewage
- (B) Agricultural run off
- (C) Industrial effluents
- (D) Cargo ship leakage

106. The scientist who led the first Indian expedition to Antarctica

- (A) Dr. E.G. Silas
- (B) Dr. S.A.H. Abidi
- (C) Dr. S.Z. Qasim
- (D) Dr. N.R. Menon

107. Theory of continental drift was proposed by

- (A) Alfred Wegener
- (B) Alfred C. Wallace
- (C) Edward Forbes
- (D) Matthew Maury

108. The scientific name of Indian dog shark is
- (A) *Sphyrna zygaena*
 - (B) *Rhincobatus djeddensis*
 - (C) *Himanthura bleekeri*
 - (D) *Scoliodon laticaudus*
109. Inbreeding in fish can be reduced by
- (A) Giving balanced feed
 - (B) Phased manuring
 - (C) Providing good water quality
 - (D) Increasing effective population size
110. Largest freshwater Man-Made Lake in India
- (A) Sulekere Lake, Karnataka
 - (B) Govind Vallabh Pant Sagar(Rihand Dam)
 - (C) Chilka Lake, Orissa
 - (D) Sukhna Lake, Chandigarh
111. The larval stage of freshwater mussel is
- (A) Plerulus
 - (B) Pediveliger
 - (C) Glochidium
 - (D) Brachionus
112. Which of the following fish diseases is caused by the bacteria, *Aeromonas salmonicida*?
- (A) Goldfish ulcer disease
 - (B) Furunculosis of salmonids
 - (C) Carp erythrodermatitis
 - (D) All of the above
113. Which one of the following is a non-essential amino acid?
- (A) Histidine
 - (B) Lysine
 - (C) Threonine
 - (D) Alanine

114. The number of sets of chromosomes in a triploid fish is
- (A) $2n$
 - (B) $3n$
 - (C) $1n$
 - (D) $4n$
115. Government of India legislated the Biodiversity Act in the year
- (A) 2010
 - (B) 2008
 - (C) 2005
 - (D) 2002
116. Increase in cell number is referred as
- (A) Hyperplasia
 - (B) Hypertrophy
 - (C) Metaplasia
 - (D) Neoplasia
117. Cryopreservation of sperm is done at
- (A) -80°C
 - (B) -196°C
 - (C) -100°C
 - (D) -180°C
118. A Horizontal slice of a fish is referred as
- (A) Fillets
 - (B) Portin
 - (C) Steak
 - (D) Circle
119. The last stage of larva during the development of rock lobsters is
- (A) Puerulus
 - (B) Pediveliger
 - (C) Glochidium
 - (D) Brachionus

120. Hypoxanthine in fish is formed from
- (A) TMA-O
 - (B) Urea
 - (C) ATP
 - (D) Free amino acid
121. Indicator micro-organism for fecal contamination is
- (A) *Salmonella*
 - (B) *E. coli*
 - (C) *Shigella*
 - (D) *Staphylococcus*
122. The freezing and boiling temperatures of water respectively in °C are
- (A) 32 and 212
 - (B) 0 and 100
 - (C) 4 and 100
 - (D) -1 and 100
123. The range of total alkalinity ideal for fish growth is
- (A) 0-75 ppm
 - (B) 50-75 ppm
 - (C) 75-300 ppm
 - (D) More than 300 ppm
124. Inbreeding leads to inbreeding depression that results in
- (A) Increased heterozygosity.
 - (B) Decrease in growth and other traits.
 - (C) Increase in population.
 - (D) Improved aquaculture performance.
125. Induced breeding of bivalves is done by
- (A) Photoperiod regulation
 - (B) Artificial insemination
 - (C) Thermal stimulation
 - (D) Electrocauterisation

126. In fishes, testosterone is produced by
- (A) Androgenic gland
 - (B) Vas deferens
 - (C) Spermatheca
 - (D) Leydig cells
127. The copulatory organ in cephalopods is known as
- (A) Hectocotylus
 - (B) Gonopodium
 - (C) Petasma
 - (D) Needham's sac
128. Number of larval stages in *Macrobrachium rosenbergii* is
- (A) 4
 - (B) 2
 - (C) 11
 - (D) 15
129. The anesthetic seen in clove oil and used in transportation of live fishes is
- (A) Benzocaine
 - (B) Phenoxy ethanol
 - (C) Eugenol
 - (D) Quinaldine
130. The disease caused by deficiency of Ascorbic acid in fishes is
- (A) Broken back disease
 - (B) Necrosis
 - (C) Septicaemia
 - (D) Gill rot
131. *Pinctada margaritifera* produces
- (A) Agar Agar
 - (B) Black pearls
 - (C) Sodium alginate
 - (D) Squalene

132. Bacterial spoilage in canned food is caused by
- (A) *Listeria*
 - (B) *Staphylococcus*
 - (C) *Clostridium*
 - (D) *Shigella*
133. Ambergris is obtained from
- (A) Shark
 - (B) Sperm whale
 - (C) Blue whale
 - (D) Dolphin
134. Chelating agent used in shrimp hatchery is
- (A) Zeolite
 - (B) EDTA
 - (C) Oxytetracyclin
 - (D) Sodium thiosuphate
135. Cotton wool disease in fish is caused by
- (A) *Penicillium* sp.
 - (B) *Branchiomyces* sp.
 - (C) *Saprolegnia* sp.
 - (D) Bacteria
136. Acidosis is caused due to
- (A) Decrease in sulfate content
 - (B) Increase in chlorine content
 - (C) Decrease of calcium salts
 - (D) Increased iron content in water
137. Ingredients added to enhance coloration of fish feed is
- (A) Carotenoids
 - (B) Gelatin
 - (C) Cellulose
 - (D) CMC

138. The larva of Lamprey is
- (A) Tadpole
 - (B) Tonaria
 - (C) Trochophore
 - (D) Ammocoete
139. Elasmobranchs remove sodium chloride through
- (A) Rectal glands
 - (B) Gills
 - (C) Kidney
 - (D) Liver
140. Placoid scales are present in
- (A) Hag Fishes
 - (B) Lamprey
 - (C) Salmons
 - (D) Sharks
141. Puffer fish belong to the family
- (A) Mastacembelidae
 - (B) Tetradontidae
 - (C) Anguillidae
 - (D) Muraenesocidae
142. The major osmoregulatory organ in fishes is
- (A) Stomach
 - (B) Liver
 - (C) Kidney
 - (D) Gills
143. Lobsters are caught using
- (A) Shore seines
 - (B) Purse seines
 - (C) Trawls
 - (D) Traps

144. The most common traditional method of fish preservation is

- (A) Chilling
- (B) Smoking
- (C) Salting
- (D) Sun drying

145. Isinglass is employed in

- (A) Preservation of wines
- (B) Clearing of wines
- (C) Distillation of wines
- (D) Preparation of wines

146. Physostomous is a term associated with

- (A) Intestine
- (B) Swim bladder
- (C) Gills
- (D) Kidney

147. Gel strength is a quality parameter for

- (A) Freeze dried products
- (B) Alginate compounds
- (C) Fish silage
- (D) Surimi

148. Carrageenan is obtained from

- (A) *Kappaphycus alvarezii*
- (B) *Caulerpa racemosa*
- (C) *Sargassum waitei*
- (D) *Gracilaria edulis*

149. Spring Viraemia commonly affects

- (A) Carps
- (B) Mussels
- (C) Shrimps
- (D) Salmon

150. Fish that deposits eggs in dead molluscan shells is

- (A) *Rhodeus amarus*
- (B) *Etroplus suratensis*
- (C) *Protopterus aethiopicus*
- (D) *Amia calva*

Only for reference. Do not copy

ANSWER KEY**Subject Name: 608 FISHERIES**

SI No.	Key	SI No.	Key	SI No.	Key	SI No.	Key	SI No.	Key
1	C	31	A	61	C	91	A	121	B
2	A	32	B	62	A	92	B	122	B
3	A	33	A	63	C	93	D	123	C
4	B	34	D	64	D	94	B	124	B
5	C	35	D	65	B	95	C	125	C
6	B	36	A	66	A	96	A	126	D
7	D	37	C	67	A	97	D	127	A
8	B	38	B	68	D	98	D	128	C
9	C	39	A	69	C	99	D	129	C
10	A	40	A	70	C	100	B	130	A
11	C	41	D	71	D	101	C	131	B
12	C	42	C	72	B	102	D	132	C
13	D	43	B	73	A	103	B	133	B
14	B	44	B	74	D	104	C	134	B
15	A	45	C	75	C	105	B	135	C
16	D	46	A	76	A	106	C	136	C
17	B	47	A	77	C	107	A	137	A
18	D	48	D	78	A	108	D	138	D
19	C	49	C	79	D	109	D	139	A
20	C	50	D	80	C	110	B	140	D
21	A	51	D	81	B	111	C	141	B
22	C	52	A	82	A	112	B	142	C
23	B	53	A	83	B	113	D	143	D
24	A	54	C	84	B	114	B	144	D
25	C	55	D	85	A	115	D	145	B
26	B	56	D	86	C	116	A	146	B
27	A	57	B	87	C	117	B	147	D
28	A	58	C	88	B	118	A	148	A
29	B	59	B	89	A	119	A	149	A
30	B	60	A	90	D	120	A	150	A