

FISHERIES  
(FINAL)

1. Which among the following species has the highest mean value of trophic level?
  - (A) *Sardinella longiceps*
  - (B) *Rastrelliger kanaguta*
  - (C) *Epinephelus diacanthus*
  - (D) *Scomberoides tol*
  
2. Match-mismatch hypothesis, which implies that the timing of plankton production affects the year class strength, was formulated by
  - (A) Daniel Pauly
  - (B) Ray Hilborn
  - (C) Trevor Platt
  - (D) David Cushing
  
3. Which among the following fishes shows discontinuous distribution along the Indian coast?
  - (A) Mackerel
  - (B) Lesser sardines
  - (C) Bombay duck
  - (D) None of the above
  
4. Iliophagous fishes predominantly feed on
  - (A) Other fishes
  - (B) Plankton
  - (C) Algae
  - (D) Detritus
  
5. Traditional coastal wetlands of Goa are called
  - (A) Khazans
  - (B) Kettu
  - (C) Bheries
  - (D) Pumdies

6. What is the TEX system used for measuring the runnage of twine used in fishing gear?
- (A) Number of twists per inch of twine
  - (B) Weight in grams of a 1-kilometer length of twine
  - (C) Diameter in millimeters of the twine
  - (D) Breaking strength in pounds of the twine
7. .... is used as a connecting link or device for fastening parts together
- (A) Thimble
  - (B) Shackle
  - (C) Swivel
  - (D) None of the above
8. The otter board that is used commonly for one-boat mid-water trawling is
- (A) Suberkrub board
  - (B) Rectangular type
  - (C) V- formotter board
  - (D) Oval shaped board
9. In Trawls, the Turtle Excluder Device (TED), is attached ahead of the codend at an angle of
- (A)  $45^{\circ}$  to  $55^{\circ}$
  - (B)  $35^{\circ}$  to  $40^{\circ}$
  - (C)  $60^{\circ}$  to  $65^{\circ}$
  - (D) None of the above
10. The state fish of Kerala is
- (A) Oil sardine
  - (B) Mackerel
  - (C) Tilapia
  - (D) Pearl spot
11. Biodegradable gillnets are made using the resin
- (A) Polybutylene succinate co-adipate-co-terephthalate
  - (B) Polyvinyl alcohol butylene
  - (C) Butylated polystyrene alcohol
  - (D) All of the above

12. Which of the following affects the selection parameters of codend of trawls?
- (A) Speed of vessel
  - (B) Mesh size
  - (C) Catch volume
  - (D) All of the above
13. In high-pressure processing, the normal pressure range used is between
- (A) 10 and 25 MPa
  - (B) 800 and 1200 MPa
  - (C) 100 and 150 MPa
  - (D) 300 and 600 MPa
14. .... is used to prevent the movement of outside air into the cold store facility
- (A) Ante room
  - (B) Preprocess hall
  - (C) Processing hall
  - (D) None of the above
15. IQF is best suited for
- (A) Big tunas
  - (B) Large skates
  - (C) Small shrimps
  - (D) All of the above
16. Traditionally prepared masmin may contain ....., which is a carcinogenic compound
- (A) Boric acid
  - (B) Acetic acid
  - (C) Benzopyrenes
  - (D) All of the above
17. The time in minutes required to kill an organism in a specific medium under specific conditions is called as
- (A) Z value
  - (B) G value
  - (C) F value
  - (D) None of the above

18. The detection of one of the following microorganisms in food reflects unhygienic conditions often associated with contamination with human contact. Choose the correct answer
- (A) *Salmonella*
  - (B) *Staphylococcus aureus*
  - (C) *Nitrobacter*
  - (D) None of the above
19. Which among the following group of fishes is commonly used for surimi production by the processing plants in India?
- (A) Murrels
  - (B) Lesser sardines
  - (C) Threadfin breams
  - (D) Mackerels
20. A count of 30 for whole frozen shrimp indicates
- (A) 30 shrimps are there in the pack
  - (B) 90 shrimps can be packed
  - (C) 30 shrimps will weigh one lb
  - (D) 30 shrimps will weigh one kg
21. Which of the following bacteria is associated with bioluminescence in shrimp hatcheries and can cause diseases in shrimp?
- (A) *Vibrio mimicus*
  - (B) *Vibrio alginolyticus*
  - (C) *Vibrio harveyi*
  - (D) *Vibrio vulnificus*
22. Which of the following fish diseases is caused by a parasitic flatworm?
- (A) Columnaris disease
  - (B) Ichthyophthiriasis
  - (C) Vibriosis
  - (D) Gyrodactylosis
23. Causative agent of paralytic shellfish poisoning is
- (A) Okadaic acid
  - (B) Saxitoxin
  - (C) Iomoic acid
  - (D) All of the above

24. There are a total of ..... steps for implementation of HACCP system
- (A) 7
  - (B) 12
  - (C) 5
  - (D) None of the above
25. Which of the following is a Gram-positive bacterium?
- (A) *Escherichia coli*
  - (B) *Salmonella typhi*
  - (C) *Vibrio cholera*
  - (D) *Listeria monocytogenes*
26. .... is an alternate method which is now widely used for determination of proteins in place of Kjeldahl's method
- (A) Kaufmann method
  - (B) Nansen method
  - (C) Dumas method
  - (D) Acrolein test
27. Lines plan and lofting are terms associated with
- (A) Drawing the gear design
  - (B) Construction of harbours
  - (C) Scaling up of design of fishing crafts
  - (D) None of the above
28. Sonars are commonly used in bottom trawls in India to
- (A) locate fish shoals
  - (B) understand bottom topography
  - (C) determine current direction
  - (D) None of the above
29. Which of the following is correct with regard to the colour code adopted for fishing vessels in Kerala?
- (A) Deck is blue and cabin is orange in colour
  - (B) There is no colour code adopted
  - (C) Light green overall
  - (D) The entire vessel should be painted white

30. The species that was first successfully bred for mariculture in India by CMFRI is
- (A) Indian pompano
  - (B) Silver pompano
  - (C) Orange spotted grouper
  - (D) Catla
31. *Macrobrachium rosenbergii* larvae need a salinity of ..... for optimal growth and survival
- (A) 15 ppt
  - (B) 12 ppt
  - (C) 19 ppt
  - (D) None of the above
32. The Fishery for sacred chanks exist along ..... coast of India
- (A) North-East
  - (B) South-West
  - (C) North-West
  - (D) South-East
33. As per the report of the expert committee for revalidation of the potential yield of fishery resources in the Indian EEZ (2018), the potential yield from the Indian EEZ is
- (A) 4.51 mt
  - (B) 6.5 mt
  - (C) 5.31 mt
  - (D) 8.6 mt
34. Choodai fishery found along Tamil Nadu coast is specifically for
- (A) Shrimps
  - (B) Lesser sardines
  - (C) Sharks
  - (D) Mulletts
35. .... is a commercially cultivated seaweed along the southeast coast of India
- (A) *Hypnea musciformis*
  - (B) *Kappaphycus alvarezii*
  - (C) *Sarconema filiforme*
  - (D) *Gracilaria edulis*

36. An index which was proposed by 'the sea around us project', that encompasses the geographical expansion of fisheries, in addition to the traditionally used marine trophic index (MTI) is
- (A) GMTI
  - (B) RMTI
  - (C) EMTI
  - (D) None of the above
37. Kaplan-Meier curves are associated with the studies on fishes related to one of the following. Choose the correct answer
- (A) Trawl selectivity
  - (B) Gillnet selectivity
  - (C) Escapement survival from gears
  - (D) None of the above
38. The latest satellite launched by India to improve upon existing remote sensing capabilities in the field of oceanography is
- (A) OCEANSAT -1
  - (B) OCEANSAT -2
  - (C) OCEANSAT -3
  - (D) OCEANSAT -4
39. .... and .... were awarded the Tyler prize for environmental achievement (often described as the Nobel Prize for Environment) in the year 2023
- (A) Daniel Pauly and Rashid Sumaila
  - (B) Dirk Zeller and Allison E.H.
  - (C) Ray Hilborn and T.A. Branch
  - (D) Daniel Pauly and John D. Reynolds
40. .... and .... are the two immunoglobulins (Ig) that are widely reported in most teleost fishes
- (A) IgM and IgD
  - (B) IgA and IgT
  - (C) IgM and IgZ
  - (D) IgE and IgG

41. According to the latest estimates by the Department of Fisheries, Govt. of India, (period 2018-19), the contribution of fisheries sector to Indian Agriculture sector economy is
- (A) 8.0%
  - (B) 7.11%
  - (C) 7.28%
  - (D) 1.24%
42. Which is the first MSC certified fishery in India?
- (A) Black clam
  - (B) Ashtamudi clam
  - (C) Giant clam
  - (D) None of the above
43. Which of the following gears is not suitable for capture of shoaling fishes?
- (A) Ring seine
  - (B) Purse seine
  - (C) Boat seine
  - (D) Trawl net
44. In trawling operations, the warps are made of
- (A) PP rope
  - (B) PA rope
  - (C) Steel wire rope
  - (D) None of the above
45. .... hooks are used to prevent deep hooking in non-target fishes
- (A) M - shaped
  - (B) D - shaped
  - (C) J hooks
  - (D) Circle hooks
46. A skiff is used in one of the following types of fishing operation. Choose the correct answer
- (A) Gillnetting
  - (B) Hook and line
  - (C) Purse seining
  - (D) Pole and line



47. The organization that deals with the design and construction of fishing harbours in the country is
- (A) CIFT
  - (B) CMLRE
  - (C) CICEF
  - (D) NIFPHATT
48. 'Spool' is a device associated with the fishing method namely
- (A) Traps
  - (B) Trawling
  - (C) Long lining
  - (D) Gillnetting
49. The part of the echo sounder that generates electric pulses of a specific frequency is
- (A) Transponder
  - (B) Transducer
  - (C) Transmitter
  - (D) None of the above
50. The most used secondary refrigerant in ice plants in India is
- (A) Freon
  - (B) Brine solution
  - (C) Ammonia
  - (D) Carbon dioxide
51. The purpose of liming in the preparation of an aquaculture pond is mainly to
- (A) increase the water depth of the pond
  - (B) promote the growth of beneficial algae
  - (C) increase the buffering capacity of the pond water
  - (D) prevent the growth of weeds and other unwanted vegetation
52. Which of the following statements accurately describes the geodetic datum WGS 84?
- (A) It is a mathematical model of the earth's shape used for geodetic surveying
  - (B) It is a system of satellites used for global positioning and navigation
  - (C) It is a network of ocean buoys used for measuring sea surface temperatures and currents
  - (D) It is a navigational chart used for plotting courses and determining distances at sea

53. Which of the following GMDSS communication systems is primarily used for transmitting distress alerts and coordinating rescue efforts?
- (A) NAVTEX
  - (B) MF/HF Radio
  - (C) EPIRB
  - (D) SART
54. Shift in the position of the eye during larval stages happens in the fishes belonging to
- (A) Syngnathidea
  - (B) Siganidae
  - (C) Pleuronectidae
  - (D) Carangidae
55. Wild shrimp exports from India was banned by US due to the
- (A) use of high power engines in trawlers
  - (B) large amount of bycatch
  - (C) large nets used for trawling
  - (D) non-use of TED in trawls
56. .... is often considered as a keystone species in the fishery and trophic ecosystem along northeastern Arabian sea
- (A) Bombay duck
  - (B) Ribbonfish
  - (C) Acetes
  - (D) Squids
57. The fisheries stock assessment method adopted by CMFRI in India is
- (A) Fishery dependent
  - (B) Fishery independent
  - (C) Fishery models
  - (D) None of the above
58. Which of the following is NOT a technique used in genetic engineering of fish?
- (A) Microinjection
  - (B) Electroporation
  - (C) CRISPR-Cas9
  - (D) Western blotting

59. Which of the following types of fishing gears is most likely to cause entanglement and mortality to marine animals such as whales and dolphins?
- (A) Gillnets
  - (B) Pots
  - (C) Handlines
  - (D) Longlines
60. Which of the following factors is most likely to influence the uptake of microplastics by fish?
- (A) Type of plastic polymer
  - (B) Size and shape of the microplastics
  - (C) Temperature of water
  - (D) Salinity of water
61. Which of the following factors is most likely to contribute to uncertainty in a fisheries stock assessment model?
- (A) Size of the fish population
  - (B) The age of the fish population
  - (C) Fishing mortality rates
  - (D) The size and quality of data used in the model
62. Territorial waters of India extend to a distance of ..... nautical mile from the nearest point of baseline
- (A) 12
  - (B) 24
  - (C) 220
  - (D) 18
63. IRI is mostly related to one of the following analyses carried out in fish biology. Choose the correct option
- (A) Maturity
  - (B) gut content
  - (C) growth
  - (D) diseases
64. Which gas is most commonly used in MAP for preserving the quality and shelf life of fresh fish?
- (A) Oxygen
  - (B) Nitrogen
  - (C) Helium

- (D) Carbon dioxide
65. The material that is most widely used as an alternative to tin plates for canning is
- (A) Plastic films
  - (B) Aluminium
  - (C) Iron
  - (D) None of the above
66. Which among the following SDGs is most closely related to sustainable fishing practices?
- (A) SDG 1
  - (B) SDG 14
  - (C) SDG 3
  - (D) SDG 5
67. The scientific name of yellow tail fish and the family under which it is included are
- (A) *Siganus javus*; Siganidae
  - (B) *Seriola quinqueradiata*; Carangidae
  - (C) *Seriola quinqueradiata*; Seriolidae
  - (D) *Seriola sparna*, Sparidae
68. Which of the following statements is true regarding the use of life cycle assessment (LCA) in fisheries?
- (A) LCA is a tool used to measure the environmental impact of fisheries operations from cradle to grave
  - (B) LCA can be used to compare the environmental impact of different types of fishing gear
  - (C) LCA can provide insights into the economic and social impacts of fisheries operations
  - (D) All of the above
69. Petrichor is associated with
- (A) maturation process in fish
  - (B) breeding migrations in fish
  - (C) smell of first rain
  - (D) decomposition of organic matter

70. Which of the following groups of fishes has the lateral line extended till the tip of the caudal fin?
- (A) Carangids
  - (B) Mullidae
  - (C) Sciaenids
  - (D) All of the above
71. The scientific name of kissing gourami is
- (A) *Helostoma temminckii*
  - (B) *Anabas testudineus*
  - (C) *Osphronemus goramy*
  - (D) None of the above
72. The major fishing gear used to target *Harpadon nehereus* is
- (A) Trawl net
  - (B) Gill net
  - (C) Dol net
  - (D) Beach seine
73. Scientific name of the Bombay duck is
- (A) *Hilsa ilisha*
  - (B) *Etroplus suratensis*
  - (C) *Wallago attu*
  - (D) *Harpadon nehereus*
74. Which of the following Indian states stood first in Marine fish production in 2021?
- (A) Gujarat
  - (B) Tamil Nadu
  - (C) Kerala
  - (D) Maharashtra
75. Small purse seine nets operated along the coast of Kerala is
- (A) Beach seine
  - (B) Ring seine
  - (C) Purse seine
  - (D) Small seine

76. State fish of West Bengal is

- (A) *Hilsa*
- (B) *Liza*
- (C) *Indian Mackerel*
- (D) *Labeo rohita*

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77. Example of a native ornamental fish is
- (A) Gold fish
  - (B) Guppy
  - (C) Angel fish
  - (D) Rosy barb
78. Example for a cold-water fish is
- (A) *Sardinella longiceps*
  - (B) *Schizothorax richardsonii*
  - (C) *Latesc alarifer*
  - (D) *Rastrelliger kanagurta*
79. Institute responsible for the research on brackish water aquaculture in India is
- (A) CIBA
  - (B) CMFRI
  - (C) CIFA
  - (D) CIFRI
80. Exclusive fishing method of Lakshadweep for catching tuna is
- (A) Hook and line
  - (B) Rod and line
  - (C) Reel and line
  - (D) Pole and line
81. “Nacre” is the term associated with the production of
- (A) Seaweed
  - (B) Pearl
  - (C) Mussel
  - (D) Fish seed
82. Devices used to repel marine mammals from fishing systems are
- (A) Radars
  - (B) Pingers
  - (C) Illuminators
  - (D) VHF devices

83. Scientific name of Whale shark is
- (A) *Galeocerdo cuvier*
  - (B) *Rhincodon typus*
  - (C) *Carcharodon carcharias*
  - (D) *Carcharhinus hemiodon*
84. Which of the following prawn species is a major fishery resource in Vembanad lake of Kerala?
- (A) Scampi
  - (B) Tiger prawn
  - (C) Vennamei prawn
  - (D) Indian white prawn
85. Mandovi-Zuari estuary is located in
- (A) Maharashtra
  - (B) Gujarat
  - (C) Goa
  - (D) Odisha
86. Common name of *Sthenoteuthis oualaniensis* is
- (A) Black squid
  - (B) Needle squid
  - (C) The purple-back flying squid
  - (D) Cuttlefish
87. Krusadai Island forms a part of
- (A) Gulf of Khambhat Marine National Park
  - (B) Gulf of Mannar Marine National park
  - (C) Jamnagar Marine National Park
  - (D) Gulf of kutch Marine National Park
88. Genetically improved Rohu produced in India is
- (A) Jayanti
  - (B) Lakshmi
  - (C) Jayasree
  - (D) Sujala



89. A potent ovulating/spermiating agent used for seed production in fishes is
- (A) Ovaprim
  - (B) Hypoprim
  - (C) Ovamid
  - (D) Hypomid
90. Traditional fishing craft used in the southern coast, made from tree trunks tied together with fiber lashings and/or treenails, is
- (A) Plank built boat
  - (B) Kattumaram
  - (C) Dugout canoe
  - (D) Vallam
91. The Code of Conduct for Responsible Fisheries (CCRF) is associated with
- (A) WHO
  - (B) CMFRI
  - (C) FAO
  - (D) World Bank
92. The bladder of one of the following fishes fetches a very high market price owing to its excellent quality. Choose the correct option
- (A) *Protonibea diacanthus*
  - (B) *Tenualosa ilisha*
  - (C) *Coilia dussumieri*
  - (D) *Harpadon nehereus*
93. Which of the following is a nitrogen fixing aquatic fern?
- (A) Eichhornia
  - (B) Spirogyra
  - (C) Salvinia
  - (D) Azolla
94. Which of the following is not a catfish species?
- (A) *Clarias batrachus*
  - (B) *Gonoproktopterus curmuca*
  - (C) *Heteropneustes fossilis*
  - (D) *Wallago attu*

95. Which of the following is a non-poisonous substance of plant origin used as a fish feed ingredient?
- (A) Mahua oil cake
  - (B) Tea seed Cake
  - (C) Derris root powder
  - (D) Cassava rootpowder
96. Which of the following terms is related with Milkfish culture?
- (A) PCR
  - (B) FAD
  - (C) Elisa
  - (D) Lab-lab
97. Which of the following is sand lobster?
- (A) *Panulirus homarus*
  - (B) *Puerulus sewelli*
  - (C) *Linupurus somniosus*
  - (D) *Thenus orientalis*
98. PFZ stands for
- (A) Public Fishing Zone
  - (B) Permanent Fish-ban Zone
  - (C) Potential Fishing Zone
  - (D) Private Fishing Zone
99. Example of a mesopelagic fish is
- (A) *Scoliodon* sp.
  - (B) *Diaphus* sp.
  - (C) *Squilla* sp.
  - (D) *Loligo* sp.
100. Area of Indian EEZ is about
- (A) 2.02 million km<sup>2</sup>
  - (B) 2.20 million km<sup>2</sup>
  - (C) 2.03 million km<sup>2</sup>
  - (D) 2.30 million km<sup>2</sup>

101. Which of the following is yellowfin tuna?
- (A) *Katsuwonus pelamis*
  - (B) *Thunnus albacares*
  - (C) *Thunnus alalunga*
  - (D) *Thunnus obesus*
102. The first Indian state that notified MLS for 58 commercially important fish species in the Gazette, for sustainable fisheries is
- (A) Kerala
  - (B) Karnataka
  - (C) Tamil Nadu
  - (D) Gujarat
103. Which of the following agencies came into existence under an Act of Parliament in 1972?
- (A) Export Inspection Agency
  - (B) Marine Product Export Development Authority
  - (C) Seafood Export Association of India
  - (D) Indian Council for Agricultural Research
104. Trade name of *Macrobrachium reosenbergii* is
- (A) Jumbo
  - (B) Scampi
  - (C) Star
  - (D) Giant
105. Which of the following is a sport fish?
- (A) *Tor putitora*
  - (B) *Megalaspis cordyla*
  - (C) *Pampus argenteus*
  - (D) *Mene maculata*
106. Arrange the IMCs in the order surface - column - bottom feeder
- (A) Catla-Mrigal-Rohu
  - (B) Catla-Rohu-Mrigal
  - (C) Rohu-Catla-Mrigal
  - (D) Mrigal-Rohu-Catla

107. Wild life (Protection) Act was enacted in the year
- (A) 1972
  - (B) 1974
  - (C) 1976
  - (D) 1978
108. Placoid scales are found in
- (A) Sharks
  - (B) Seer fishes
  - (C) Perches
  - (D) All marine fishes
109. Beche-de-mer is the product from
- (A) Jelly fishes
  - (B) Sea urchin
  - (C) Sea cucumber
  - (D) Tuna
110. Migration of hilsa (*Tenualosa ilisha*) is
- (A) Anadromous
  - (B) Catadromous
  - (C) Amphidromous
  - (D) Potadromous
111. Smoked and dried tuna of the Lakshadweep Island is
- (A) Minmin
  - (B) Masmin
  - (C) Nasmin
  - (D) Manas
112. A highly unsaturated aliphatic hydrocarbon, present in certain shark liver oil is
- (A) Collagen
  - (B) Squalene
  - (C) Glucosamine
  - (D) Isinglass

113. Which of the following is a cetacean?
- (A) Octopus
  - (B) Dolphin
  - (C) Turtle
  - (D) Sail fish
114. Harvesting cuttlefish using artificial lure is called
- (A) Hooking
  - (B) Jigging
  - (C) Pricking
  - (D) Jacking
115. Myofibrillar protein concentrate produced by repeated washing of fish mince to remove water soluble nitrogen matter and flavoured compounds is
- (A) Chitin
  - (B) Silage
  - (C) Surimi
  - (D) Sausage
116. Which of the following is not related with Shrimps?
- (A) WSSV
  - (B) MBV
  - (C) AHPND
  - (D) EUS
117. Elver is the early life stage of
- (A) Sea snake
  - (B) Eel fish
  - (C) Turtles
  - (D) Salmon
118. SPF in aquaculture stands for
- (A) Specially Packaged Fish
  - (B) Super Performance Facility
  - (C) Specific Pathogen Free
  - (D) Super-fast Performance Fish seed

119. Rack culture is associated with
- (A) Mussels
  - (B) Milk fish
  - (C) Sea weed
  - (D) Ornamental fishes
120. Enhancing the stock of a particular species by introducing hatchery produced seed in natural environment is called
- (A) Enriching
  - (B) Ranching
  - (C) Fostering
  - (D) Fattening
121. In India, the first Turtle Excluder Device (TED) was developed by
- (A) ICAR-CMFRI
  - (B) ICAR-CIFT
  - (C) MPEDA
  - (D) FSI
122. An artificial structure which facilitates the assemblage of fishes in natural environment is
- (A) SAD
  - (B) FAD
  - (C) JAD
  - (D) EAD
123. Saucer shaped country craft used in Indian reservoirs is
- (A) Catamaram
  - (B) Coracle
  - (C) Plank built saucer boat
  - (D) Raft
124. Three layered gillnets are called as
- (A) Triplet net
  - (B) Trammel net
  - (C) Triangle net
  - (D) Layer net

125. Cut- off river meanders are called as
- (A) Estuaries
  - (B) Ox-bow lakes
  - (C) Wet lands
  - (D) Swamps
126. Which of the following is an exotic shrimp species found in India?
- (A) *Penaeus monodon*
  - (B) *Fenneropenaeus indicus*
  - (C) *Penaeus merguensis*
  - (D) *Litopenaeus vannamei*
127. Father of artificial pearl culture is
- (A) Kokichi Mikimoto
  - (B) Aoi Sugimoto
  - (C) Daisuke Ochi
  - (D) Yoshinori Ohsumi
128. Structures which facilitate the flow of water to the culture systems in extensive fish farms are called
- (A) Side gates
  - (B) Lift windows
  - (C) Sluice gates
  - (D) plank gates
129. Lengthy intestines are the characteristics of
- (A) Herbivorous fishes
  - (B) Carnivorous fishes
  - (C) Detritivores fishes
  - (D) Omnivorous fishes
130. Live feed which has a natural habitat in salt pan is
- (A) Moina
  - (B) Daphnia
  - (C) Artemia
  - (D) Rotifera

131. National aquatic animal of India is
- (A) Irrawaddy Dolphin
  - (B) Ganges River Dolphin
  - (C) Dugong
  - (D) Bryde's Whale
132. Male external reproductive structure of elasmobranchs are called
- (A) Cloaca
  - (B) Penis
  - (C) Claspers
  - (D) Tubules
133. Saw fish is
- (A) *Rhina ancylostoma*
  - (B) *Rhinobatos granulatus*
  - (C) *Alopias pelagicus*
  - (D) *Pristis pristis*
134. Argulus is a/an
- (A) plankton
  - (B) parasite
  - (C) live feed
  - (D) ornamental fish
135. Aristotle's lantern is seen in
- (A) Sea cucumber
  - (B) Sea Urchin
  - (C) Molluscs
  - (D) Narmada
136. Which of the following is a nutritional disease in Fish?
- (A) Ergasilosis
  - (B) Black spot disease
  - (C) Lordosis
  - (D) Myxosporean disease



137. Which of the following is false piranha?
- (A) Pacu
  - (B) Basa
  - (C) Magur
  - (D) Wallago
138. Estimation of Dissolved Oxygen is done by
- (A) Whatman's method
  - (B) Winkler's methods
  - (C) William's method
  - (D) Kjeldahl method
139. Mermaid's purse is a characteristic feature of
- (A) Sharks and rays
  - (B) Seabass and groupers
  - (C) Tilapia and Etroplus
  - (D) Shrimps and Crabs
140. The process of killing of aquatic animals by the lost nets in the sea is known as
- (A) Killing fishing
  - (B) Ghost fishing
  - (C) Scary fishing
  - (D) Lost fishing
141. Culture of multiple aquatic species from different trophic levels is called
- (A) Integrated Multi-Trophic Aquaculture
  - (B) Polyculture
  - (C) Composite culture
  - (D) Integrated culture
142. Fish culture system which works based on the principle of Carbon-Nitrogen ratio is
- (A) Aquaponics
  - (B) Biofloc
  - (C) RAS
  - (D) Green water system

143. GIFT is an improved strain of
- (A) Sea bass
  - (B) Mudcrab
  - (C) Pompano
  - (D) Tilapia
144. Clearly demarked, naturally occurring calm areas in the coastal waters along the Kerala coast during the southwest monsoon period are called
- (A) Calm banks
  - (B) Mud banks
  - (C) Sand banks
  - (D) Soil banks
145. Red data book is related with
- (A) FAO
  - (B) UN
  - (C) IUCN
  - (D) World Fish Centre
146. Specialised organ in sharks for the detection of temperatures is
- (A) Tentacles
  - (B) Pappillae
  - (C) Ampullae of Lorenzini
  - (D) Stirrup (Stapes)
147. During pearl production, narcotization of oyster is done using
- (A) Strong salt solution
  - (B) Ethanol
  - (C) Menthol
  - (D) Chilled water
148. Most suitable species for cage culture in marine environment is
- (A) Cobia
  - (B) Pomfrot
  - (C) Horse mackerel
  - (D) Ribbon fish

149. The fish known as 'Miss Kerala' is

- (A) *Pethia conchonius*
- (B) *Puntius ticto*
- (C) *Puntius filamentosus*
- (D) *Sahyadria denisonii*

150. Which Indian State/Island/UT occupies the highest percentage of Mangroves?

- (A) Andaman Nicobar
- (B) West Bengal
- (C) Gujarat
- (D) Pondicherry

FOR REFERENCE ONLY - CUSAT

**FINAL ANSWER KEY****Subject Name: 608 FISHERIES**

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