

## **English**

1. Murrel is the common name of

- (A) Mugil
- (B) Channa
- (C) Mystus
- (D) Chanos

**Correct Option(s): B**

## **English**

2. Fishes tolerant to wide range of salinity is called as

- (A) Stenohaline
- (B) Stenothermic
- (C) Eurythermic
- (D) Euryhaline

**Correct Option(s): C**

## **English**

3. Red water blooms in sea are caused by

- (A) Diatoms
- (B) Dinoflagellates
- (C) Blue green algae
- (D) Desmids

**Correct Option(s): B**

## **English**

4. Dropsy in fishes, caused by

- (A) Bacteria
- (B) Fungus
- (C) Protozoan
- (D) Virus

**Correct Option(s): A**

## **English**

5. Indian salmon belongs to the genus

- (A) Rastrelliger
- (B) Tor
- (C) Eleutheronema
- (D) Puntius

**Correct Option(s): C**

## **English**

6.

Solubility of oxygen in water has inverse relation with

- (A)  $p^H$
- (B) Temperature
- (C) Salinity
- (D) Phosphorous

**Correct Option(s): B**

## English

7. Placoid scales are found in

- (A) Eels
- (B) Sharks
- (C) Cat fishes
- (D) Perches

**Correct Option(s): B**

## English

8. Polymerase Chain Reaction, invented by

- (A) Friedrich Miescher
- (B) Antonin Prandtl
- (C) Alec Jeffreys
- (D) Kary Mullis

**Correct Option(s): D**

## English

9. UN Convention on the Law of the sea (UNCLOS) was signed at Jamaica in the year

- (A) 1985
- (B) 1948
- (C) 1982
- (D) 1958

**Correct Option(s): C**

## English

10. Territorial waters of a State is defined as

- (A) Waters adjacent to the contiguous zone
- (B) Waters dividing territory of two or more states
- (C) Waters outside the territorial limits of a state
- (D) Waters within the limit of continental shelf

**Correct Option(s): A**

## English

11. Indian National Centre for Ocean Information Services (INCOIS) situated at

- (A) Lakshadweep
- (B) Hyderabad
- (C) Chennai
- (D) Andaman

**Correct Option(s): A**

## English

12. Which amino acid is responsible for meaty flavor in scombroide fishes?

- (A) Leucine
- (B) Lysine
- (C) Tryptophan
- (D) Histidine

**Correct Option(s): D**

## English

13. Frustules made of silica are characteristic of

- (A) Diatoms
- (B) Cocolithophores
- (C) Tricodesmium
- (D) Dinoflagellates

**Correct Option(s): A**

## English

14. Which bacteria is responsible for spoilage in canning of fishery products?

- (A) *S. aureus*
- (B) *E. coli*
- (C) *L. monocytogenes*
- (D) *C. sporogenes*

**Correct Option(s): D**

## English

15. Scientific name of Frigate tuna is

- (A) *Auxis thazard*
- (B) *Auxis rochei*
- (C) *Thunnus tonggol*
- (D) *Katsuwonus pelamis*

**Correct Option(s): A**

## English

16. Catamaran of Andhra Pradesh is locally known as

- (A) Dingi
- (B) Teppalu
- (C) Oodom
- (D) Thoni

**Correct Option(s): B**

## English

17. Isinglass is made from

- (A) Fish scale
- (B) Ray gill
- (C) Fish maws
- (D) Crustacean shell

**Correct Option(s): C**

## English

18. Sargassum belongs to

- (A) Green algae
- (B) Brown algae
- (C) Red algae
- (D) Blue green algae

**Correct Option(s): B**

## English

19. Caviar is the roe of

- (A) Sturgeon
- (B) Salmon
- (C) Catfish
- (D) Tuna

**Correct Option(s): A**

## English

20. Which is the most commonly used salt in preparing brine?

- (A) Sodium bromide
- (B) Potassium chloride
- (C) Sodium chloride
- (D) Sodium iodide

**Correct Option(s): C**

## English

21. Age and maturity are usually the best predictors of \_\_\_\_\_ in fishes

- (A) Convertible growth rate
- (B) Relative growth rate
- (C) Absolute growth rate
- (D) Approximate growth rate

**Correct Option(s): B**

## English

22. Mesh size of cod end determines the gear selectivity in

- (A) Long line
- (B) Cast net
- (C) Trawl net
- (D) Gill net

**Correct Option(s): C**

## English

23. Chiton is an example of class

- (A) Scapopoda
- (B) Monoplacophora
- (C) Polyplacophora
- (D) Aplacophora

**Correct Option(s): C**

## English

24. Non-penaeid prawns have \_\_\_\_\_ nauplii stages

- (A) 6
- (B) 9
- (C) 4
- (D) 12

**Correct Option(s): A**

## English

25. Which group is known as 'wheel animalcule'?

- (A) Ostracoda
- (B) Cladocerans
- (C) Rotifera
- (D) Diatoms

**Correct Option(s): C**

## English

26.

What does IPCC stand for?

- (A) The International Panel on Climate change
- (B) The Intergovernmental Partners for Climate Change
- (C) The Intergovernmental Panel on Climate Change
- (D) The International Partners for Climate Change

**Correct Option(s): C**

## English

27. The zone of rapid change of density is

- (A) Isopycnals
- (B) Pycnocline
- (C) Thermocline
- (D) Halocline

**Correct Option(s): B**

## English

28. The freezing point of seawater  
(A) Decreases with salinity increases  
(B) Is independent of salinity  
(C) Increases with evaporation  
(D) Increases with salinity increase

**Correct Option(s): A**

## English

29. In marine teleost, which cells eliminate  $\text{Na}^+$  and  $\text{Cl}^-$  ions?  
(A) Mast cells  
(B) Mucus gland cells  
(C) Glandular cells  
(D) Chloride cells

**Correct Option(s): D**

## English

30. Which bone is the largest bone of otolith?  
(A) Sagittae  
(B) Otoconia  
(C) Lapilli  
(D) Asterisci

**Correct Option(s): A**

## English

31. Most preferred food of Indian oil sardine is  
(A) *Trichodesmium erythraeum*  
(B) *Fragilaria oceanica*  
(C) *Brachionus manjavacas*  
(D) *Euphausia superba*

**Correct Option(s): B**

## English

32. CRZ notification was implemented in the year  
(A) 2011  
(B) 1999  
(C) 1991  
(D) 2000

**Correct Option(s): C**

## English

33. Which of the following is not an invasive species?  
(A) *Clarias gariepinus*  
(B) *Cyprinus carpio*  
(C) *Gambusia affinis*  
(D) *Clarias batrachus*

**Correct Option(s): D**

## English

34. *Coscinodiscus* sp. is a \_\_\_\_\_  
(A) Zooplankton  
(B) Coccolithophore  
(C) Diatom  
(D) Dinoflagellate

**Correct Option(s): C**

## English

35. Water, commonly found in estuaries is referred as

- (A) Brackish
- (B) Hyper saline
- (C) Fresh
- (D) Saline

**Correct Option(s): A**

## English

36. Sea anemone share symbiotic relationship with

- (A) Cat fish
- (B) Cardinal fish
- (C) Clown fish
- (D) Lion fish

**Correct Option(s): C**

## English

37. Powerful swimmers to move in the water column are

- (A) Plankton
- (B) Nekton
- (C) Benthos
- (D) Phytoplankton

**Correct Option(s): B**

## English

38. Hierarchy of marine food chain is

- (A) Phytoplankton, zooplankton, herbivore, omnivore
- (B) Herbivore, carnivore, zooplankton, omnivore
- (C) Zooplankton, herbivore, phytoplankton, omnivore
- (D) Zooplankton, carnivore, phytoplankton, herbivore

**Correct Option(s): A**

## English

39. Veliger is the larval stage of

- (A) Echinoderm
- (B) Prawn
- (C) Crab
- (D) Mollusc

**Correct Option(s): C**

## English

40. Who coined the term 'Plankton'?

- (A) Vector Hensen
- (B) Ernst Haeckel
- (C) Walter G Rosen
- (D) Carl Linnaeus

**Correct Option(s): A**

## English

41. Hag fishes belongs to the order

- (A) Perciformes
- (B) Scombriformes
- (C) Polymixiiformes
- (D) Myxiniformes

**Correct Option(s): D**

## English

42. Which among the following is not a crustacean larva?

- (A) Megalopa
- (B) Zoea
- (C) Phyllosoma
- (D) Brachiolaria

**Correct Option(s): D**

## English

43. What is the scientific name of silver carp?

- (A) Cyprinus carpio
- (B) Catla catla
- (C) Hypothalmichthys molitrix
- (D) Ctenopharyngodon idella

**Correct Option(s): C**

## English

44. Which is the state fish of Gujarat?

- (A) Tor putitora
- (B) Clarias magur
- (C) Protonibea diacanthus
- (D) Tor tor

**Correct Option(s): C**

## English

45. Blue revolution in India was launched during the year

- (A) 1951 – 1956
- (B) 1969 – 1974
- (C) 1992 – 1997
- (D) 1985 – 1990

**Correct Option(s): D**

## English

46. Instantaneous rate of natural mortality is denoted by

- (A) M
- (B) Z
- (C) R
- (D) F

**Correct Option(s): A**

## English

47. Fox model is an example of

- (A) Analytical model
- (B) Surplus production model
- (C) Virtual population analysis
- (D) Holistic model

**Correct Option(s): B**

## English

48. Inverse Von Bertalanffy equation is used to convert

- (A) Length into weight
- (B) Weight into age
- (C) Age into length
- (D) Length into age

**Correct Option(s): D**

## **English**

49.

What is the contribution of India in fish production to the global fisheries during the year 2022 - 23?

- (A) 6.96%
- (B) 7.79%
- (C) 5.69%
- (D) 7.96%

**Correct Option(s): D**

## **English**

50. Concept of state fish in India was introduced / promoted by

- (A) National Bureau of Fish Genetic Resources (NBFGR)
- (B) Central Institute of Brackishwater Aquaculture (CIBA)
- (C) Central Coastal Agricultural Research Institute (CCARI)
- (D) National Institute of Oceanography (NIO)

**Correct Option(s): A**