

CCE(P)-2015  
FISHERIES

PBS-14-14

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

Subject Code :

1 4

Test Booklet No. :

00770

## TEST BOOKLET FISHERIES

Time Allowed : 2 (Two) Hours

Full Marks : 200

### INSTRUCTIONS

1. The name of the Subject, Roll Number as mentioned in the Admission Certificate, Test Booklet No. and Subject Code shall be written legibly and correctly in the space provided on the Answer Sheet with black ball pen.
2. **Space provided for Series in the Answer Sheet is not applicable for Optional Subject. So the space shall be left blank.**
3. All questions carry equal marks. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet.
4. No candidate shall be admitted to the Examination Hall/Room 20 minutes after commencement of distribution of the paper. The Supervisor of the Examination Hall/Room will be the time-keeper and his/her decision in this regard is final.
5. No candidate shall leave the Examination Hall/Room without prior permission of the Supervisor/Invigilator. No candidate shall be permitted to hand over his/her Answer Sheet and leave the Examination Hall/Room before expiry of the full time allotted for each paper.
6. No Mobile Phone, Pager, etc., are allowed to be carried inside the Examination Hall/Room by the candidates. Any Mobile Phone, Pager, etc., found in possession of the candidate inside the Examination Hall/Room, even if on off mode, shall be liable for confiscation.
7. No candidate shall have in his/her possession inside the Examination Hall/Room any book, notebook or loose paper, except his/her Admission Certificate and other connected paper permitted by the Commission.
8. Complete silence must be observed in the Examination Hall/Room. No candidate shall copy from the paper of any other candidate, or permit his/her own paper to be copied, or give, or attempt to give, or obtain, or attempt to obtain irregular assistance of any kind.
9. After you have completed filling in all your responses on the Answer Sheet and the Examination has concluded, you should hand over to the Invigilator *only the Answer Sheet*. You are permitted to take away with you the Test Booklet.
10. Violation of any of the above Rules will render the candidate liable to expulsion from the Examination Hall/Room and disqualification from the Examination, and according to the nature and gravity of his/her offence, he/she may be debarred from future Examinations and Interviews conducted by the Commission for appointment to Government Service.
11. Smoking inside the Examination Hall/Room is strictly prohibited.
12. **This Test Booklet contains one sheet (two pages) for Rough Work at the end.**

SEAL

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[ No. of Questions : 100 ]

1. A food chain in fishpond ends with

- (A) carnivore animals
- (B) large herbivores
- (C) decaying organisms
- (D) omnivore animals

2. Larval stages in *Macrobrachium rosenbergii* are

- (A) 21
- (B) 8
- (C) 11
- (D) 10

3. Pearl is formed by the secretion of

- (A) shell
- (B) mantle tissue
- (C) intestinal tissue
- (D) gonadal tissue

4. Sea bass is considered as

- (A) euryhaline
- (B) stenohaline
- (C) thermohaline
- (D) None of the above

5. Which of the following is a protozoan ciliate?

- (A) Epistylis
- (B) Vortecella
- (C) Trichodina
- (D) Ichthyobodo

6. Fish poison of plant origin is

- (A) aldrin
- (B) nuvan
- (C) thiometon
- (D) Mahua oil cake

7. Mooring system is associated with

- (A) pen culture
- (B) cage fish culture
- (C) prawn culture
- (D) raceways

8. Most preferable plankton for four days' old IMC spawn is

- (A) copepod
- (B) cladoceran
- (C) rotifer
- (D) cyclop

9. Aflatoxins are formed as a result of growth of

- (A) gram +ve bacteria
- (B) yeasts
- (C) toxic algae
- (D) moulds

10. The stocking density of carp brooders is

- (A) 1000–1500 kg ha<sup>-1</sup>
- (B) 3000–3500 kg ha<sup>-1</sup>
- (C) 2000–2500 kg ha<sup>-1</sup>
- (D) 4000–4500 kg ha<sup>-1</sup>

11. Pungus is which of the following types of breeder?

- (A) Annual breeder
- (B) Seasonal breeder
- (C) Prolific breeder
- (D) None of the above

12. The bighead carp (*Aristichthys nobilis*) competes for food with

- (A) Grass carp
- (B) Catla
- (C) Rohu
- (D) Silver carp

13. Dropsy in fish usually is caused by

- (A) *Aeromonas* species
- (B) *Trichodina* species
- (C) *Pseudomonas* species
- (D) None of the above

14. 'Kataha' fisheries are practiced in

- (A) India
- (B) Bangladesh
- (C) Japan
- (D) China

15. The composition of ovaprim is essentially based on

- (A) Alikunhi method
- (B) Linpe method
- (C) Peter's method
- (D) Sunder Raj method

16. *Clarias batrachus* attains maturity at

- (A) 6 months
- (B) 1 year
- (C) 2 years
- (D) more than 2 years

17. Tambak is related with culture of

- (A) catfish
- (B) tilapia
- (C) trout
- (D) milkfish

18. Turbidity in water is controlled by the chemical

- (A) NaCl
- (B)  $KMnO_4$
- (C) lime
- (D) gypsum

19. In fish, protein digestion begins from

- (A) mouth
- (B) stomach
- (C) alimentary track
- (D) esophagus

20. DMSO is a/an

- (A) extender
- (B) cryopreservative
- (C) cryoprotectant
- (D) None of the above

21. About 80% mangroves in India are located in

- (A) Kerala
- (B) West Bengal
- (C) Karnataka
- (D) Andhra Pradesh

22. In Assam, the most economically important ectoparasite of carps is

- (A) Dactylogyrus
- (B) Lernaea
- (C) Anguillicolidae
- (D) Gyrodactylus

23. Dhir beel is situated in

- (A) Dhubri district
- (B) Goalpara district
- (C) Nagaon district
- (D) Lower Kamrup district

24. The feeding habit of young *Pangasius sutchi* is

- (A) planktivorous
- (B) cannibalistic
- (C) carnivorous
- (D) carnivorous and cannibalistic

25. Pen culture practice was originated in

- (A) Japan
- (B) China
- (C) Norway
- (D) Cambodia

26. For productive water body, nitrogen, phosphorus and carbon ratio should be

- (A) 4 : 4 : 101
- (B) 16 : 1 : 106
- (C) 18 : 8 : 4
- (D) 1 : 16 : 100

27. The percentage share of animal protein provided by fish to the global population is

- (A) 10%
- (B) 15%
- (C) 17%
- (D) 50%

28. Gracilaria is a

- (A) red alga
- (B) green alga
- (C) brown alga
- (D) None of the above

29. Which disease is known as egtved disease?

- (A) Viral hemorrhagic septicemia
- (B) Infectious hematopoietic necrosis
- (C) Spring viremia of carp
- (D) Infectious pancreatic necrosis

30. Majority of the aquaculture species is

- (A) seasonal breeder
- (B) annual breeder
- (C) prolific breeder
- (D) biannual breeder

31. Infusoria is a/an

- (A) mollusc
- (B) crustacean
- (C) insect
- (D) protozoan

32. The major cultivable fish groups come under which family?

- (A) Clupeidae
- (B) Salmonidae
- (C) Siluridae
- (D) Cyprinidae

