

2022

**B.F.Sc. 3rd Semester Examination**

**Fishery Oceanography**

PAPER — BFSC-303

Full Marks : 50

Time : 2 hours



*The figures in the right-hand margin indicate marks.*

*Candidates are required to give their answers  
in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

1. Answer any **ten** from the following questions :  
2×10=20

- ✓(a) What is intertidal zone?
- (b) Mention the application of eco-sounder in fisheries.
- ✓(c) What is hadal zone?
- ✓(d) Write a short note on spilling waves of ocean.



( 2 )

- (e) State the causes of Tsunami.
  - (f) What is thermocline zone?
  - (g) State the EEZ of India.
  - (h) Write a note on the density of ocean water.
  - (i) Why is ocean water salty?
  - (j) Why is ocean tides considered as the renewable energy?
  - (k) Differentiate between surface and long waves.
  - (l) What do you mean by SST?
  - (m) What are the full forms and headquarters of NOAA and AVHRR?
  - (n) Write a short note on upwelling in ocean.
  - (o) What is continental shelf? *oceanic part*
2. Answer any six from the following questions :  
5×6=30
- (a) Give an account an on ocean current with special reference to Indian ocean.
  - (b) State the temperature variation of ocean water with respect to depth.
  - (c) Classify different tides with their causes.
  - (d) Write a note on PFZ.
  - (e) Define El Nino. Discuss its impact on fisheries.

/ 119

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( 3 )

- (a) Briefly discuss about inorganic components affecting the composition of sea water.
- (b) How to measure ocean currents in direct and indirect methods?
- (c) Discuss about the physical properties of sea water.
- (d) State the oceanic expeditions with respect to national and international scenario.
- (e) Discuss on the different dissolved gases in sea water.

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