

# National Testing Agency

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|------------------------------|----------------------------------------------------------------|
| <b>Question Paper Name :</b> | Fisheries Engineering and Technology 17th<br>September Shift 2 |
| <b>Subject Name :</b>        | Fisheries Engineering and Technology                           |
| <b>Creation Date :</b>       | 2021-09-17 18:54:46                                            |
| <b>Duration :</b>            | 120                                                            |
| <b>Total Marks :</b>         | 480                                                            |
| <b>Display Marks:</b>        | Yes                                                            |

## Fisheries Engineering and Technology

|                                      |           |
|--------------------------------------|-----------|
| <b>Group Number :</b>                | 1         |
| <b>Group Id :</b>                    | 190889126 |
| <b>Group Maximum Duration :</b>      | 0         |
| <b>Group Minimum Duration :</b>      | 120       |
| <b>Show Attended Group? :</b>        | No        |
| <b>Edit Attended Group? :</b>        | No        |
| <b>Break time :</b>                  | 0         |
| <b>Group Marks :</b>                 | 480       |
| <b>Is this Group for Examiner? :</b> | No        |

## Part A: General Knowledge

|                         |           |
|-------------------------|-----------|
| <b>Section Id :</b>     | 190889302 |
| <b>Section Number :</b> | 1         |
| <b>Section type :</b>   | Online    |

|                                                                     |           |
|---------------------------------------------------------------------|-----------|
| <b>Number of Questions :</b>                                        | 20        |
| <b>Number of Questions to be attempted :</b>                        | 20        |
| <b>Section Marks :</b>                                              | 80        |
| <b>Enable Mark as Answered Mark for Review and Clear Response :</b> | Yes       |
| <b>Sub-Section Number :</b>                                         | 1         |
| <b>Sub-Section Id :</b>                                             | 190889342 |
| <b>Question Shuffling Allowed :</b>                                 | Yes       |

**Question Number : 1 Question Id : 19088914422 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is the device used to measure the power and speed of the wind?

1. Avometer
2. Anemometer
3. Airometer
4. Aviontimeter

**Options :**

19088957581. 1
19088957582. 2
19088957583. 3
19088957584. 4

**Question Number : 2 Question Id : 19088914423 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Optical fibre used the concept of which of the following?

1. Reflection
2. Refraction
3. Total internal reflection
4. Total internal refraction

**Options :**

- 19088957585. 1
- 19088957586. 2
- 19088957587. 3
- 19088957588. 4

**Question Number : 3 Question Id : 19088914424 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Yellow vein mosaic is the viral disease of which of the following plants?

- 1. Ladyfinger
- 2. Papaya
- 3. Sugarcane
- 4. Banana

**Options :**

- 19088957589. 1
- 19088957590. 2
- 19088957591. 3
- 19088957592. 4

**Question Number : 4 Question Id : 19088914425 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following organ(s) is affected by Mumps disease?

- 1. Entire body
- 2. Skin
- 3. Eye
- 4. Parotid

**Options :**

- 19088957593. 1
- 19088957594. 2

19088957596. 4

**Question Number : 5 Question Id : 19088914426 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is the chemical name of vitamin B<sub>2</sub>?

1. Riboflavin
2. Calciferol
3. Pyridoxin
4. Niacin

**Options :**

19088957597. 1

19088957598. 2

19088957599. 3

19088957600. 4

**Question Number : 6 Question Id : 19088914427 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is not the input unit of the computer?

1. Mouse
2. Keyboard
3. Screen
4. Scanner

**Options :**

19088957601. 1

19088957602. 2

19088957603. 3

19088957604. 4

**Question Number : 7 Question Id : 19088914428 Question Type : MCQ Option Shuffling : No Is**

**Correct Marks : 4 Wrong Marks : 1**

The digital computer operates on which of the following principle?

1. Measurement
2. Calculation
3. Logical
4. Electrification

**Options :**

19088957605. 1

19088957606. 2

19088957607. 3

19088957608. 4

**Question Number : 8 Question Id : 19088914429 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The non-cooperation movement of Gandhiji was launched in which of the following year?

1. 1915
2. 1922
3. 1920
4. 1930

**Options :**

19088957609. 1

19088957610. 2

19088957611. 3

19088957612. 4

**Question Number : 9 Question Id : 19088914430 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An Islamic revivalist movement named Wahabi movement was founded by which of the following person?

1. Sian Saheb
2. Syed Ahmed
3. Haji Shariat-Allah
4. DaduMian

**Options :**

19088957613. 1

19088957614. 2

19088957615. 3

19088957616. 4

**Question Number : 10 Question Id : 19088914431 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is considered as the “Magna Carta of England Education in India”?

1. Hunter education commission
2. Lord Macaulay’s Minute
3. Wood’s Despatch
4. Thomas Babington Macaulay

**Options :**

19088957617. 1

19088957618. 2

19088957619. 3

19088957620. 4

**Question Number : 11 Question Id : 19088914432 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following nutrient does not come under the ambit of 'macro-nutrients in Soil Health Card?

1. Nitrogen
2. Zinc
3. Phosphorous
4. Potassium

**Options :**

19088957621. 1

19088957622. 2

19088957623. 3

19088957624. 4

**Question Number : 12 Question Id : 19088914433 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Cole crops, root crops and legumes come under the ambit of which of the following?

1. Olericulture
2. Pomology
3. Viticulture
4. Arboriculture

**Options :**

19088957625. 1

19088957626. 2

19088957627. 3

19088957628. 4

**Question Number : 13 Question Id : 19088914434 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The study of individual trees, shrubs, vines, and perennial woody plants is known as which of the following?

1. Turf management
2. Arboriculture
3. Pomology
4. Viticulture

**Options :**

19088957629. 1

19088957630. 2

19088957631. 3

19088957632. 4

**Question Number : 14 Question Id : 19088914435 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The ministry is implementing MIDH (Mission for Integrated Development of Horticulture) with effect from which of the following year?

1. 2012-13
2. 2019-20
3. 2015-16
4. 2014-15

**Options :**

19088957633. 1

19088957634. 2

19088957635. 3

19088957636. 4

**Question Number : 15 Question Id : 19088914436 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



The interaction of soils with living things, particularly plants are well known as which of the following?

1. Edaphology
2. Pedology
3. Soil zoology
4. Pedogenesis

**Options :**

19088957637. 1

19088957638. 2

19088957639. 3

19088957640. 4

**Question Number : 16 Question Id : 19088914437 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following systems has also incorporated social aspects in itself?

1. Landscaping
2. Permaculture
3. Horticulture
4. Forest gardening

**Options :**

19088957641. 1

19088957642. 2

19088957643. 3

19088957644. 4

**Question Number : 17 Question Id : 19088914438 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What do you term the phenomenon whereby the specific gene is added to the plant for producing a desirable phenotype?

1. Genetic manipulation
2. Genetic recombination
3. Genetic modification
4. Genetic hybridisation

**Options :**

19088957645. 1

19088957646. 2

19088957647. 3

19088957648. 4

**Question Number : 18 Question Id : 19088914439 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the focus of the participatory plant breeding program?

1. Scientists
2. Plants
3. Environment
4. Farmers

**Options :**

19088957649. 1

19088957650. 2

19088957651. 3

19088957652. 4

**Question Number : 19 Question Id : 19088914440 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

How do you term the form of agriculture, in which, industrialized production of crops and animal products takes place?

1. Manufactured agriculture
2. Modern agriculture
3. Industrial agriculture
4. Mechanistic agriculture

**Options :**

19088957653. 1

19088957654. 2

19088957655. 3

19088957656. 4

**Question Number : 20 Question Id : 19088914441 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Micro-irrigation fund of Rs. 5,000 crore has been placed with which of the following organization?

1. NABARD
2. IDBI
3. SBI
4. RRBs

**Options :**

19088957657. 1

19088957658. 2

19088957659. 3

19088957660. 4

## **Part B Core : Fishery Science-I**

**Section Id :** 190889303

**Section Number :** 2

**Section type :** Online

|                                                                     |           |
|---------------------------------------------------------------------|-----------|
| <b>Mandatory or Optional :</b>                                      | Mandatory |
| <b>Number of Questions :</b>                                        | 50        |
| <b>Number of Questions to be attempted :</b>                        | 50        |
| <b>Section Marks :</b>                                              | 200       |
| <b>Enable Mark as Answered Mark for Review and Clear Response :</b> | Yes       |
| <b>Sub-Section Number :</b>                                         | 1         |
| <b>Sub-Section Id :</b>                                             | 190889343 |
| <b>Question Shuffling Allowed :</b>                                 | Yes       |

**Question Number : 21 Question Id : 19088914442 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Largest river, among Peninsular rivers of India, is

1. Krishna
2. Godavari
3. Narmada
4. Mahanadi

**Options :**

19088957661. 1

19088957662. 2

19088957663. 3

19088957664. 4

**Question Number : 22 Question Id : 19088914443 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Options :**

- 19088957665. 1
- 19088957666. 2
- 19088957667. 3
- 19088957668. 4

**Question Number : 23 Question Id : 19088914444 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is a blue mussel?

1. *Perna viridis*
2. *Perna perna*
3. *Mytilus edulis*
4. *Mytilus californianus*

**Options :**

- 19088957669. 1
- 19088957670. 2
- 19088957671. 3
- 19088957672. 4

**Question Number : 24 Question Id : 19088914445 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which is a useful biological reference point used in fisheries management for describing fish stocks in relation to exploitation?

1. Maximum sustainable yield
2. Maximum biomass
3. Catch per unit effort
4. Yield / Biomass

**Options :**

- 19088957673. 1

19088957675. 3

19088957676. 4

**Question Number : 25 Question Id : 19088914446 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Indian marine fish production (million tonnes) during 2019-20 was

1. 4.41
2. 3.93
3. 3.72
4. 2.81

**Options :**

19088957677. 1

19088957678. 2

19088957679. 3

19088957680. 4

**Question Number : 26 Question Id : 19088914447 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The target organ of ACTH is

1. Interrenal
2. Pituitary
3. Gonads
4. Muscle

**Options :**

19088957681. 1

19088957682. 2

19088957683. 3

19088957684. 4

**Question Number : 27 Question Id : 19088914448 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Crab egg hatches out into

1. Nauplius
2. Protozoa
3. Zoa
4. Megalopa

**Options :**

19088957685. 1

19088957686. 2

19088957687. 3

19088957688. 4

**Question Number : 28 Question Id : 19088914449 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following areas is categorised under CRZ1-B, as per CRZ notification, 2019?

1. Salt marshes
2. Territorial water
3. Intertidal zone
4. Critically vulnerable coastal areas

**Options :**

19088957689. 1

19088957690. 2

19088957691. 3

19088957692. 4

**Question Number : 29 Question Id : 19088914450 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is the major factor for natural mortality in ocean?

1. Predation
2. Old age
3. Disease
4. Spawning stress

**Options :**

19088957693. 1

19088957694. 2

19088957695. 3

19088957696. 4

**Question Number : 30 Question Id : 19088914451 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is NOT a biodiversity hotspot found in India?

1. Western Ghats
2. Sundarban
3. Sundaland
4. Indo-Burman region

**Options :**

19088957697. 1

19088957698. 2

19088957699. 3

19088957700. 4

**Question Number : 31 Question Id : 19088914452 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Neuromast cells in fishes are associated with

1. Nervous system
2. Skeletal system
3. Lateral line system
4. Muscular system

**Options :**

19088957701. 1

19088957702. 2

19088957703. 3

19088957704. 4

**Question Number : 32 Question Id : 19088914453 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Chemicals that are secreted by individuals to induce a certain behaviour response on conspecific individuals are

1. Hormones
2. Pheromones
3. Cytokines
4. Chemokines

**Options :**

19088957705. 1

19088957706. 2

19088957707. 3

19088957708. 4

**Question Number : 33 Question Id : 19088914454 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Process of yolk production and accumulation in a developing oocyte is

1. Oogenesis
2. Anagenesis
3. Vitellogenesis
4. Cytogenesis

**Options :**

19088957709. 1

19088957710. 2

19088957711. 3

19088957712. 4

**Question Number : 34 Question Id : 19088914455 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

About two-third of bivalve resources in brackishwaters of India is comprised of

1. Pearl oysters
2. Edible oysters
3. Clams
4. Mussels

**Options :**

19088957713. 1

19088957714. 2

19088957715. 3

19088957716. 4

**Question Number : 35 Question Id : 19088914456 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ISO 22000 is a family of

1. Food safety management standards
2. Quality management standards
3. Environmental management standards
4. Health and safety standards

**Options :**

19088957717. 1

19088957718. 2

19088957719. 3

19088957720. 4

**Question Number : 36 Question Id : 19088914457 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Over pressure retort is normally used for sterilization of

1. Pouches
2. Tin cans
3. Glass containers
4. Aluminum cans

**Options :**

19088957721. 1

19088957722. 2

19088957723. 3

19088957724. 4

**Question Number : 37 Question Id : 19088914458 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The deacetylated form of Chitin is known as

1. Chitosan
2. Chitin
3. Hydrolysates
4. Fish proteins

**Options :**

19088957725. 1

19088957726. 2

19088957727. 3

19088957728. 4

**Question Number : 38 Question Id : 19088914459 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Head quarters of FSSAI is located at

1. New Delhi
2. Cochin
3. Chennai
4. Mumbai

**Options :**

19088957729. 1

19088957730. 2

19088957731. 3

19088957732. 4

**Question Number : 39 Question Id : 19088914460 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Common quality defect in frozen fish is

1. Drip loss
2. Black spot formation
3. Thaw drip
4. Meat disintegration

**Options :**

19088957733. 1

19088957734. 2

19088957735. 3

19088957736. 4

**Question Number : 40 Question Id : 19088914461 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is bio-preservative that can be used in the preservation of fish sausage?

1. Antibiotics
2. Bacteriocin
3. Bacitracin
4. Nitrosamines

**Options :**

19088957737. 1

19088957738. 2

19088957739. 3

19088957740. 4

**Question Number : 41 Question Id : 19088914462 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Major bacterial flora dominated in marine fish is

1. Gram negative bacteria
2. Gram positive bacteria
3. Yeasts
4. Moulds

**Options :**

19088957741. 1

19088957742. 2

19088957743. 3

19088957744. 4

**Question Number : 42 Question Id : 19088914463 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The organism which is a fecal contamination indicator is

1. *E.coli*
2. Vibrios
3. Salmonella
4. Listeria

**Options :**

19088957745. 1

19088957746. 2

19088957747. 3

19088957748. 4

**Question Number : 43 Question Id : 19088914464 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Sun spoilage is very common in

1. Salted and dried fish
2. Freeze dried fish
3. Frozen fish
4. Smoked fish

**Options :**

19088957749. 1

19088957750. 2

19088957751. 3

19088957752. 4

**Question Number : 44 Question Id : 19088914465 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Masmeen is associated with which of the following?

1. Tuna
2. Seer fish
3. Crabs
4. Squids

**Options :**

19088957753. 1

19088957754. 2

19088957755. 3

19088957756. 4

**Question Number : 45 Question Id : 19088914466 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hardswell spoilage is commonly associated with

1. Frozen fish
2. Canned fish
3. Smoked fish
4. Dried fish

**Options :**

19088957757. 1

19088957758. 2

19088957759. 3

19088957760. 4

**Question Number : 46 Question Id : 19088914467 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

HEPA filter is commonly found in

1. Laminar flow chamber
2. Waterbath
3. Incubator
4. Hot air oven

**Options :**

19088957761. 1

19088957762. 2

19088957763. 3

19088957764. 4

**Question Number : 47 Question Id : 19088914468 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Commonly used solidifying medium in microbiological media preparation is

1. Agarose
2. Carragenan
3. Peptone
4. Agar

**Options :**

19088957765. 1

19088957766. 2

19088957767. 3

19088957768. 4

**Question Number : 48 Question Id : 19088914469 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The father of canning is

1. N. Appert
2. Peter Durand
3. Ames
4. John Needham

**Options :**

19088957769. 1

19088957770. 2

19088957771. 3

19088957772. 4

**Question Number : 49 Question Id : 19088914470 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Fish is called as frozen when the temperature of fish is reduced to

1.  $-20^{\circ}\text{C}$
2.  $-10^{\circ}\text{C}$
3.  $-1^{\circ}\text{C}$
4.  $-5^{\circ}\text{C}$

**Options :**

19088957773. 1

19088957774. 2

19088957775. 3

19088957776. 4

**Question Number : 50 Question Id : 19088914471 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Fish maws is prepared from

1. Air bladder
2. Shark skin
3. Shark fins
4. Fish scales

**Options :**

19088957777. 1

19088957778. 2

19088957779. 3

19088957780. 4

**Question Number : 51 Question Id : 19088914472 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The most commonly used direct system for denoting the size of the yarn is

1. Tex system
2. Denier system
3. British system
4. Metric system

**Options :**

19088957781. 1

19088957782. 2

19088957783. 3

19088957784. 4

**Question Number : 52 Question Id : 19088914473 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following floats is made of low-density materials?

1. Thermocole
2. Glass
3. Aluminium
4. Steel

**Options :**

19088957785. 1

19088957786. 2

19088957787. 3

19088957788. 4

**Question Number : 53 Question Id : 19088914474 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Pump fishing is popular for which group of shellfish?

1. Squids
2. Shrimps
3. Clams
4. Oysters

**Options :**

19088957789. 1

19088957790. 2

19088957791. 3

19088957792. 4

**Question Number : 54 Question Id : 19088914475 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Dol net is more popular in the State of

1. Maharastra
2. Kerala
3. Odissa
4. Karnataka

**Options :**

19088957793. 1

19088957794. 2

19088957795. 3

19088957796. 4

**Question Number : 55 Question Id : 19088914476 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In Kiln seasoning, in order to remove the moisture, the timber is exposed to

1. Cold air
2. Hot water
3. Hot air
4. Cold water

**Options :**

19088957797. 1

19088957798. 2

19088957799. 3

19088957800. 4

**Question Number : 56 Question Id : 19088914477 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following preservaties is more effective to preserve timber?

1. Oil type
2. Waterborne type
3. Organic solvent type
4. Mixture of element

**Options :**

19088957801. 1

19088957802. 2

19088957803. 3

19088957804. 4

**Question Number : 57 Question Id : 19088914478 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The FRP boat was first introduced in India during the year

1. 1947
2. 1968
3. 1977
4. 1978

**Options :**

19088957805. 1

19088957806. 2

19088957807. 3

19088957808. 4

**Question Number : 58 Question Id : 19088914479 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The farthest distant part from the stem of a boat is called as

1. Stern
2. Stem
3. LOA
4. LBP

**Options :**

19088957809. 1

19088957810. 2

19088957811. 3

19088957812. 4

**Question Number : 59 Question Id : 19088914480 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The measure of ship capacity is denoted as

1. Tonnage
2. Displacement
3. Density
4. Dead weight

**Options :**

19088957813. 1

19088957814. 2

19088957815. 3

19088957816. 4

**Question Number : 60 Question Id : 19088914481 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The fishing gear most commonly used to catch Bombay duck fishery along the Maharashtra coast is

1. Rampani
2. Chinese dip net
3. Dol net
4. Trawler

**Options :**

19088957817. 1

19088957818. 2

19088957819. 3

19088957820. 4

**Question Number : 61 Question Id : 19088914482 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Complete dissociation of chromatin material in the nucleus is termed as

1. Karyorrhexis
2. Karyolysis
3. Pyknosis
4. Neucleolysis

**Options :**

19088957821. 1

19088957822. 2

19088957823. 3

19088957824. 4

**Question Number : 62 Question Id : 19088914483 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Nephelometer is used to measure

1. Dissolved oxygen
2. Carbon Dioxide
3. pH
4. Turbidity

**Options :**

19088957825. 1

19088957826. 2

19088957827. 3

19088957828. 4

**Question Number : 63 Question Id : 19088914484 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Monocytes differentiate into which kind of phagocytic cells?

1. Neutrophils
2. Basophils
3. Macrophages
4. T Cell

**Options :**

19088957829. 1

19088957830. 2

19088957831. 3

19088957832. 4

**Question Number : 64 Question Id : 19088914485 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one belongs to crustacean parasite in fish?

1. *Ichthyophthirus*
2. *Ichthyobodo*
3. *Myxobolous*
4. *Argulus*

**Options :**

19088957833. 1

19088957834. 2

19088957835. 3

19088957836. 4

**Question Number : 65 Question Id : 19088914486 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Gas bubble disease is associated with

1. Nitrogen & Oxygen
2. Nitrogen & Hydrogen
3. Oxygen & Hydrogen
4. Hydrogen Sulphide

**Options :**

19088957837. 1

19088957838. 2

19088957839. 3

19088957840. 4

**Question Number : 66 Question Id : 19088914487 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Programmed cell death is called

1. Necrosis
2. Apoptosis
3. Pyknosis
4. Karyolysis

**Options :**

19088957841. 1

19088957842. 2

19088957843. 3

19088957844. 4

**Question Number : 67 Question Id : 19088914488 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Increase in concentration of chemical substance along the trophic level of food chain is called

1. Bioconcentration
2. Bioaccumulation
3. Biomagnification
4. Biotransformation

**Options :**

19088957845. 1

19088957846. 2

19088957847. 3

19088957848. 4

**Question Number : 68 Question Id : 19088914489 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Toxin responsible for Diarrhoetic shellfish poisoning is

1. Saxitoxin
2. Brevetoxin
3. Okadaic acid
4. Domoic acid

**Options :**

19088957849. 1

19088957850. 2

19088957851. 3

19088957852. 4

**Question Number : 69 Question Id : 19088914490 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Average lapse rate in troposphere is

1. 6.4 °C /Km
2. 7.4 °C /Km
3. 8.4 °C /Km
4. 5.4 °C /Km

**Options :**

19088957853. 1

19088957854. 2

19088957855. 3

19088957856. 4

**Question Number : 70 Question Id : 19088914491 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Interspecific relationship where one species suffers and other species experiences no effect is

1. Commensalism
2. Ammensalism
3. Mutualism
4. Predation

**Options :**

19088957857. 1

19088957858. 2

19088957859. 3

19088957860. 4

## **Part C : Fisheries Engineering and Technology**

**Section Id :** 190889304

**Section Number :** 3

**Section type :** Online

**Mandatory or Optional :** Mandatory

|                                                                     |           |
|---------------------------------------------------------------------|-----------|
| <b>Number of Questions :</b>                                        | 50        |
| <b>Number of Questions to be attempted :</b>                        | 50        |
| <b>Section Marks :</b>                                              | 200       |
| <b>Enable Mark as Answered Mark for Review and Clear Response :</b> | Yes       |
| <b>Sub-Section Number :</b>                                         | 1         |
| <b>Sub-Section Id :</b>                                             | 190889344 |
| <b>Question Shuffling Allowed :</b>                                 | Yes       |

**Question Number : 71 Question Id : 19088914492 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**

The chart that is an exact representation of a NOAA paper chart is also called

1. Vector chart
2. Raster chart
3. Scalar chart
4. Global chart

**Options :**

19088957861. 1
19088957862. 2
19088957863. 3
19088957864. 4

**Question Number : 72 Question Id : 19088914493 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**

The space between bottom and floor board of a boat is called

1. Bilge
2. Crow's nest
3. Briddle
4. Stern

19088957865. 1

19088957866. 2

19088957867. 3

19088957868. 4

**Question Number : 73 Question Id : 19088914494 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An ideal way to securely tie together two lines of different diameter is to use

1. Sheet bend
2. Bowline tie
3. Taut-line hitch
4. Square knot

**Options :**

19088957869. 1

19088957870. 2

19088957871. 3

19088957872. 4

**Question Number : 74 Question Id : 19088914495 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Where is the headquarters of International Maritime Organisation?

1. Geneva
2. London
3. Washington
4. Cuba

**Options :**

19088957873. 1

19088957874. 2

19088957875. 3

19088957876. 4

**Question Number : 75 Question Id : 19088914496 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The best example of non-selective gear is

1. Hand line
2. Trawl
3. Purse seine
4. Gill net

**Options :**

19088957877. 1

19088957878. 2

19088957879. 3

19088957880. 4

**Question Number : 76 Question Id : 19088914497 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The best material for making sinkers is

1. Cork
2. Wood
3. Lead
4. Plastic

**Options :**

19088957881. 1

19088957882. 2

19088957883. 3

19088957884. 4

**Question Number : 77 Question Id : 19088914498 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Orderly removal of moisture from the timber is called

1. Preservation
2. Seasoning
3. Decaying
4. Rotting

**Options :**

19088957885. 1

19088957886. 2

19088957887. 3

19088957888. 4

**Question Number : 78 Question Id : 19088914499 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Trammel net is a type of

1. Gill net
2. Trawl net
3. Long line
4. Purse seine

**Options :**

19088957889. 1

19088957890. 2

19088957891. 3

19088957892. 4

**Question Number : 79 Question Id : 19088914500 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



An example for falling gear is

1. Lantern net
2. Lampara net
3. Lift net
4. Drive in net

**Options :**

19088957893. 1

19088957894. 2

19088957895. 3

19088957896. 4

**Question Number : 80 Question Id : 19088914501 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

1 Tex is equal to

1. 1 Denier
2. 3 Denier
3. 6 Denier
4. 9 Denier

**Options :**

19088957897. 1

19088957898. 2

19088957899. 3

19088957900. 4

**Question Number : 81 Question Id : 19088914502 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following has minimum freezing point?

1. Carbon dioxide
2. Ammonia
3. Freon -12
4. Freon -22

**Options :**

19088957901. 1

19088957902. 2

19088957903. 3

19088957904. 4

**Question Number : 82 Question Id : 19088914503 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Ammonia is preferred as a refrigerant in large commercial installations because

1. It is non-toxic
2. It has low latent heat
3. It has low working pressure
4. It is relatively cheap

**Options :**

19088957905. 1

19088957906. 2

19088957907. 3

19088957908. 4

**Question Number : 83 Question Id : 19088914504 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Options :**

- 19088957909. 1
- 19088957910. 2
- 19088957911. 3
- 19088957912. 4

**Question Number : 84 Question Id : 19088914505 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In the trawl net, TED is installed

- 1. Before the cod end
- 2. After the cod end
- 3. To head rope
- 4. To foot rope

**Options :**

- 19088957913. 1
- 19088957914. 2
- 19088957915. 3
- 19088957916. 4

**Question Number : 85 Question Id : 19088914506 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Gyrocompass always shows

- 1. True North
- 2. True South
- 3. Magnetic North
- 4. True West

**Options :**

- 19088957917. 1
- 19088957918. 2
- 19088957919. 3

19088957920. 4

**Question Number : 86 Question Id : 19088914507 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The colour of the life buoy is

1. Red
2. Orange
3. White
4. Green

**Options :**

19088957921. 1

19088957922. 2

19088957923. 3

19088957924. 4

**Question Number : 87 Question Id : 19088914508 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The flow of liquid refrigerant into evaporator is controlled by

1. Expansion valve
2. Solenoid valve
3. Heat exchanger
4. Suction valve

**Options :**

19088957925. 1

19088957926. 2

19088957927. 3

19088957928. 4

**Question Number : 88 Question Id : 19088914509 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An example of encircling net is

1. Gill net
2. Trawl net
3. Purse seine
4. Rampani

**Options :**

19088957929. 1

19088957930. 2

19088957931. 3

19088957932. 4

**Question Number : 89 Question Id : 19088914510 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Squid jigging employs the principle of which of the following?

1. Light
2. Colour
3. Smell
4. Electric current

**Options :**

19088957933. 1

19088957934. 2

19088957935. 3

19088957936. 4

**Question Number : 90 Question Id : 19088914511 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The most commonly used building material for construction of fishing boats in India is

1. Wood
2. Steel
3. Iron
4. Aluminium

**Options :**

19088957937. 1

19088957938. 2

19088957939. 3

19088957940. 4

**Question Number : 91 Question Id : 19088914512 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The type of hooks which are used commercially for Tuna pole and line operation is

1. Barbless
2. Barbed
3. Double hooks
4. Jiggs

**Options :**

19088957941. 1

19088957942. 2

19088957943. 3

19088957944. 4

**Question Number : 92 Question Id : 19088914513 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is an example of a fishing method used to capture fish in air?

1. Verandah net
2. Cover pot
3. Cast net
4. Chinese dip net

**Options :**

19088957945. 1

19088957946. 2

19088957947. 3

19088957948. 4

**Question Number : 93 Question Id : 19088914514 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The tonnage of vessel is expressed in

1. 100 cubic feet
2. 100 tons
3. 100 meter cube
4. 100 pounds

**Options :**

19088957949. 1

19088957950. 2

19088957951. 3

19088957952. 4

**Question Number : 94 Question Id : 19088914515 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Whenever a ship is heeled, the position of center of buoyancy changes while the position of center of gravity

1. Moves vertically upwards
2. Shifts outwards
3. Remains in the same location
4. Moves vertically downwards

**Options :**

19088957953. 1

19088957954. 2

19088957955. 3

19088957956. 4

**Question Number : 95 Question Id : 19088914516 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is NOT a component of echosounder?

1. Transmitter
2. Transducer
3. Receiver
4. Recorder

**Options :**

19088957957. 1

19088957958. 2

19088957959. 3

19088957960. 4

**Question Number : 96 Question Id : 19088914517 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Which of the following fishing methods is Not normally used in reservoir?

1. Trawling
2. Cast netting
3. Gill netting
4. Line fishing

**Options :**

19088957961. 1

19088957962. 2

19088957963. 3

19088957964. 4

**Question Number : 97 Question Id : 19088914518 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The best raw material used for construction of cold storage is

1. Wood
2. Iron
3. Steel
4. PUF panels

**Options :**

19088957965. 1

19088957966. 2

19088957967. 3

19088957968. 4

**Question Number : 98 Question Id : 19088914519 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The hull surface on each side of the forepart which curves and meet the stem is

1. Tow
2. Bow
3. Row
4. Quarter

**Options :**

19088957969. 1

19088957970. 2

19088957971. 3

19088957972. 4

**Question Number : 99 Question Id : 19088914520 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The unit used to measure speed of ship and water current is

1. KM
2. Knot
3. Yard
4. Sea mile

**Options :**

19088957973. 1

19088957974. 2

19088957975. 3

19088957976. 4

**Question Number : 100 Question Id : 19088914521 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In trawling, several small trawls are towed with the help of otter boards called

1. Multi rig
2. Bull
3. Beam
4. Bottom

**Options :**

19088957977. 1

19088957978. 2

19088957979. 3

19088957980. 4

**Question Number : 101 Question Id : 19088914522 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Match List I with List II**

| List I             | List II            |
|--------------------|--------------------|
| A. Satpati         | I. Gujarat         |
| B. Rampani         | II. Kerala         |
| C. Chinese dip net | III. Karnatka      |
| D. Masula          | IV. Andhra Pradesh |
|                    | V. Maharastra      |

Choose the **correct** answer from the options given below:

1. A - V, B - III, C - II, D - IV
2. A - III, B - I, C - II, D - IV
3. A - I, B - III, C - IV, D - II
4. A - II, B - I, C - III, D - IV

**Options :**

19088957981. 1

19088957982. 2

19088957983. 3

19088957984. 4

Question Number : 102 Question Id : 19088914523 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

| List I       | List II                  |
|--------------|--------------------------|
| A. Anchor    | I. Catch storage         |
| B. Fish hold | II. Ground tracking      |
| C. ASDIC     | III. Trawl net head rope |
| D. Net Sonde | IV. Sonar                |

Choose the correct answer from the options given below:

1. A - II, B - I, C - IV, D - III
2. A - II, B - IV, C - I, D - III
3. A - II, B - III, C - I, D - IV
4. A - IV, B - II, C - III, D - I

Options :

19088957985. 1

19088957986. 2

19088957987. 3

19088957988. 4

Question Number : 103 Question Id : 19088914524 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

One nautical mile is equal to how many kilo meters ?

1. 1.852
2. 1.751
3. 1.5
4. 2.0

Options :

19088957989. 1

19088957990. 2

19088957991. 3

19088957992. 4

**Question Number : 104 Question Id : 19088914525 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Name the fishing method in which several lines are towed from a boat using outriggers to catch predatory fishes.

1. Trolling
2. Trawling
3. Gill netting
4. Purse seining

**Options :**

19088957993. 1

19088957994. 2

19088957995. 3

19088957996. 4

**Question Number : 105 Question Id : 19088914526 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Process of reducing the number of meshes in rows to alter the webbing shape is known as

1. Creasing
2. Baiting
3. Mending
4. Webbing

**Options :**

19088957997. 1

19088957998. 2

19088957999. 3

19088958000. 4

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The navigational instrument used for the measurement of vertical and horizontal angles is

1. Log
2. Gyrocompass
3. Sextant
4. Echosounder

**Options :**

19088958001. 1

19088958002. 2

19088958003. 3

19088958004. 4

**Question Number : 107 Question Id : 19088914528 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match **List I** with **List II**

| List I        | List II                                            |
|---------------|----------------------------------------------------|
| A. Transducer | I. Converts electrical energy to sound             |
| B. Receiver   | II. Amplification of weak electrical oscillation   |
| C. Net Sonde  | III. Transducer is mounted in gimbals              |
| D. Sonar      | IV. Transducer is fitted to head rope of trawl net |

Choose the **correct** answer from the options given below:

1. A - I, B - II, C - IV, D - III
2. A - I, B - II, C - III, D - IV
3. A - I, B - III, C - IV, D - II
4. A - II, B - I, C - III, D - IV

**Options :**

19088958005. 1

19088958006. 2

19088958007. 3

19088958008. 4

**Question Number : 108 Question Id : 19088914529 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**

Match **List I** with **List II**

| List I       | List II             |
|--------------|---------------------|
| A. Cast net  | I. Non-selective    |
| B. Fyke net  | II. Selective       |
| C. Trawl net | III. Falling gear   |
| D. Gill net  | IV. Used in streams |

Choose the **correct** answer from the options given below:

1. A - III, B - IV, C - I, D - II
2. A - III, B - I, C - IV, D - II
3. A - III, B - II, C - IV, D - I
4. A - III, B - I, C - II, D - IV

**Options :**

19088958009. 1

19088958010. 2

19088958011. 3

19088958012. 4

**Question Number : 109 Question Id : 19088914530 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**  
**Correct Marks : 4 Wrong Marks : 1**



Match **List I** with **List II**

| List I              | List II    |
|---------------------|------------|
| A. Polycondensation | I. PVC     |
| B. Polymeric        | II. Nylon  |
| C. Mixed polymer    | III. Sisal |
| D. Leaf fibre       | IV. PVD    |

Choose the **correct** answer from the options given below:

1. A - II, B - I, C - IV, D - III
2. A - I, B - II, C - III, D - IV
3. A - I, B - III, C - II, D - IV
4. A - III, B - I, C - II, D - IV

**Options :**

19088958013. 1

19088958014. 2

19088958015. 3

19088958016. 4

**Question Number : 110 Question Id : 19088914531 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Knot made of two overhand knots which slide together when the ropes are pulled forming a firm knot is called

1. English Knot
2. Fishermens knot
3. Reef knot
4. Sheep shank

**Options :**

19088958017. 1

19088958018. 2

19088958019. 3

19088958020. 4



**Question Number : 111 Question Id : 19088914532 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A weight, usually with a pointed tip on the bottom that is suspended from a string and used in surveying is called

1. Plummets
2. Arrow
3. Theodolite
4. Survey marker

**Options :**

19088958021. 1

19088958022. 2

19088958023. 3

19088958024. 4

**Question Number : 112 Question Id : 19088914533 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A marine vessel that manoeuvres other vessels by pushing or pulling them, with direct contact or a tow line is called as

1. Tug
2. Cattamarans
3. Fishing craft
4. Merchant ship

**Options :**

19088958025. 1

19088958026. 2

19088958027. 3

19088958028. 4

**Question Number : 113 Question Id : 19088914534 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following net is still used for demonstration purpose particularly for tourists in Kochi ?

1. Chinese dip net
2. Traditional purseine
3. Rampani
4. Dol net

**Options :**

19088958029. 1

19088958030. 2

19088958031. 3

19088958032. 4

**Question Number : 114 Question Id : 19088914535 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A perfect way to quickly tie a line temporarily around a column or tubular structure to tie a dock line around a piling is

1. Reef knot
2. Clove hitch
3. Stop knot
4. Cleat hitch

**Options :**

19088958033. 1

19088958034. 2

19088958035. 3

19088958036. 4

**Question Number : 115 Question Id : 19088914536 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Halide torch is used to detect the leakage of

1. Freon
2. Ammonia
3. Carbon dioxide
4. Sulphur dioxide

**Options :**

19088958037. 1

19088958038. 2

19088958039. 3

19088958040. 4

**Question Number : 116 Question Id : 19088914537 Question Type : MCQ Option Shuffling : No**  
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Match List I with List II**

| List I           | List II                         |
|------------------|---------------------------------|
| A. R-11/Freon-11 | I. Trichloro monofluoro methane |
| B. R-12/Freon-12 | II. Dichloro difluoro methane   |
| C. R-13/Freon-13 | III. Dichlorofluoromethane      |
| D. R-21/Freon-21 | IV. Chlorodifluoromethane       |
|                  | V. Chlorotrifluoromethane       |

Choose the **correct** answer from the options given below:

1. A - I, B - II, C - V, D - III
2. A - II, B - III, C - V, D - IV
3. A - II, B - III, C - I, D - IV
4. A - III, B - II, C - I, D - IV

**Options :**

19088958041. 1

19088958042. 2

19088958043. 3

19088958044. 4

**Question Number : 117 Question Id : 19088914538 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An important property of soil that imparts structural stability to ponds is

1. Adsorption
2. Absorption
3. Cohesion
4. Surface tension

**Options :**

19088958045. 1

19088958046. 2

19088958047. 3

19088958048. 4

**Question Number : 118 Question Id : 19088914539 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An example for marine wood borer is

1. Beetle
2. Weevil
3. Termite
4. Limnoria

**Options :**

19088958049. 1

19088958050. 2

19088958051. 3

19088958052. 4

**Question Number : 119 Question Id : 19088914540 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An Instrument used for determining breaking strength is

1. Dynamometer
2. Echosounder
3. LORAN
4. Compass

**Options :**

19088958053. 1

19088958054. 2

19088958055. 3

19088958056. 4

**Question Number : 120 Question Id : 19088914541 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The direction of twist is indicated by

1. Z
2. A
3. T
4. U

**Options :**

19088958057. 1

19088958058. 2

19088958059. 3

19088958060. 4