

National Testing Agency

Question Paper Name :	Fisheries Resource Management 23rd Sep 2020 Shift 2
Subject Name :	Fisheries Resource Management
Creation Date :	2020-09-23 19:33:43
Duration :	120
Total Marks :	480
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes

Fisheries Resource Management

Group Number :	1
Group Id :	71087052
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	480
Is this Group for Examiner? :	No

Part A General Knowledge

Section Id :	710870154
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20

Number of Questions to be attempted :	20
Section Marks :	80
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	710870154
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 7108706181 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following crops is a commercial crop in Punjab and Haryana but is a subsistence crop in Orissa?

1. Tea
2. Cotton
3. Rubber
4. Rice

Options :

- 71087024721. 1
- 71087024722. 2
- 71087024723. 3
- 71087024724. 4

Question Number : 2 Question Id : 7108706182 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following are the two most important wheat-growing zones of the country?

- A. Ganga-Satluj plains in the north-west
- B. Deltaic regions
- C. Black soil region of the Deccan
- D. Plains of north-east

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

- 1. Only A and B
- 2. Only B and C
- 3. Only C and D
- 4. Only A and C

Options :

- 71087024725. 1
- 71087024726. 2
- 71087024727. 3
- 71087024728. 4

Question Number : 3 Question Id : 7108706183 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Indian agriculture is typically characterized as

- 1. Land surplus, labour scarce economy
- 2. Land surplus, labour surplus economy
- 3. Land scarce, labour surplus economy
- 4. Land scarce, labour scarce economy

Options :

- 71087024729. 1

71087024730. 2

71087024731. 3

71087024732. 4

Question Number : 4 Question Id : 7108706184 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following countries is the main rival of India in tea export?

1. China
2. Japan
3. Germany
4. Sri Lanka

Options :

71087024733. 1

71087024734. 2

71087024735. 3

71087024736. 4

Question Number : 5 Question Id : 7108706185 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement A: MSP is declared by the government every year to provide incentives to the farmers for raising the production of crops.

Statement B: Buffer stock is created to distribute food grains in the deficit areas and among the poorer strata of the society at the lower price than the market price.

In light of the above statements, choose the **most appropriate** answer from the options given below

1. Both Statement A and Statement B are correct
2. Both Statement A and Statement B are incorrect
3. Statement A is correct but Statement B is incorrect
4. Statement A is incorrect but Statement B is correct

Options :

- 71087024737. 1
- 71087024738. 2
- 71087024739. 3
- 71087024740. 4

Question Number : 6 Question Id : 7108706186 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following is a global association of nations of the world to help cooperation in international law, security, economic development and social equity?

1. United Nations Organization
2. International Monetary Fund
3. World Bank
4. World Health Organization

Options :

- 71087024741. 1
- 71087024742. 2
- 71087024743. 3
- 71087024744. 4

Question Number : 7 Question Id : 7108706187 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Under the Ganga Action Plan Phase II, pollution abatement works are being taken up in how many towns?

- 1. 57
- 2. 65
- 3. 52
- 4. 69

Options :

- 71087024745. 1
- 71087024746. 2
- 71087024747. 3
- 71087024748. 4

Question Number : 8 Question Id : 7108706188 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following statements is **incorrect**?

- 1. The highest number of pigs in the world are found in India
- 2. Utter Pradesh provides largest amount of pork
- 3. Assam has the largest number of pork producing pigs
- 4. Pork constitutes about 7.6% of the total meat produced in India

Options :

71087024749. 1

71087024750. 2

71087024751. 3

71087024752. 4

Question Number : 9 Question Id : 7108706189 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which type of N-fertilizer is suitable for water-logged soils?

1. Zinc Phosphate
2. Ammonium Sulphate
3. Calcium
4. Potassium Nitrate

Options :

71087024753. 1

71087024754. 2

71087024755. 3

71087024756. 4

Question Number : 10 Question Id : 7108706190 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The famous Bailadila range of hills in the Bastar district of Chhattisgarh is famous for its

1. Bauxite deposits
2. Manganese deposits
3. Copper deposits
4. High-grade haematite deposits

Options :

71087024757. 1

71087024758. 2

71087024759. 3

71087024760. 4

Question Number : 11 Question Id : 7108706191 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

A farmer wishes to start a 100 sq. m rectangular vegetable garden. Since he has only 30m barbed wire, he fences three sides of the garden letting his house compound wall act as the fourth side fencing. What is the dimension of the garden?

1. 15 m x 6.67m
2. 20 m x 5 m
3. 30 m x 3.33 m
4. 40 m x 2.5 m

Options :

71087024761. 1

71087024762. 2

71087024763. 3

71087024764. 4

Question Number : 12 Question Id : 7108706192 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In which one of the following industries, the consumption of natural rubber is the largest?

1. Auto tyres and tubes
2. Footwear
3. Dipped goods
4. Latex foam

Options :

71087024765. 1
71087024766. 2
71087024767. 3
71087024768. 4

Question Number : 13 Question Id : 7108706193 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following countries was the partner country of 34th Surajkund International Crafts Fair held in Haryana?

1. China
2. Nepal
3. Bhutan
4. Uzbekistan

Options :

71087024769. 1
71087024770. 2
71087024771. 3
71087024772. 4

Question Number : 14 Question Id : 7108706194 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Nobel laureate Abhijit Vinayak Banerjee was conferred the honorary Doctor of Letters (D. Litt.) by which University?

1. University of Delhi
2. University of Kolkata
3. University of Mumbai
4. University of Hyderabad

Options :

- 71087024773. 1
- 71087024774. 2
- 71087024775. 3
- 71087024776. 4

Question Number : 15 Question Id : 7108706195 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Where is the headquarters of European Union?

- 1. Geneva, Switzerland
- 2. Washington D.C., USA
- 3. New York, US
- 4. Brussels, Belgium

Options :

- 71087024777. 1
- 71087024778. 2
- 71087024779. 3
- 71087024780. 4

Question Number : 16 Question Id : 7108706196 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following would be deficient if one finds high somatic cell count in the cow's milk?

- 1. Butterfat
- 2. Whey protein
- 3. Casein
- 4. Trace minerals

Options :

- 71087024781. 1
- 71087024782. 2
- 71087024783. 3
- 71087024784. 4

Question Number : 17 Question Id : 7108706197 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Who was the first administrator-statesman to attempt planning as a means for economic development?

- 1. C. Rajagopalachari
- 2. V. T. Krishnamachari
- 3. M. Viswesvarayya
- 4. Sir C. P. Ramaswami Aiyar

Options :

- 71087024785. 1
- 71087024786. 2
- 71087024787. 3
- 71087024788. 4

Question Number : 18 Question Id : 7108706198 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Amazon rainforest span over nine countries. In August 2019, in which country did a deadly fire broke out in the Amazon forest?

- 1. Brazil
- 2. Venezuela
- 3. Colombia
- 4. Argentina

Options :

- 71087024789. 1
- 71087024790. 2
- 71087024791. 3
- 71087024792. 4

Question Number : 19 Question Id : 7108706199 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Economic liberalization in India started with

- 1. Sustainable changes in industrial licensing policy
- 2. The convertibility of the Indian Rupee
- 3. Significant reduction of tax rates
- 4. Changes in procedural formalities for FDI

Options :

- 71087024793. 1
- 71087024794. 2
- 71087024795. 3
- 71087024796. 4

Question Number : 20 Question Id : 7108706200 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The term 'Delimitation' which was in news recently is associated with which process?

- 1. Fixing the limit of Income tax
- 2. Fixing limits of Affordable housing
- 3. Fixing limits of Territorial constituencies
- 4. Fixing limits of Chairpersons salary

Options :

- 71087024797. 1

71087024798. 2

71087024799. 3

71087024800. 4

Part B Core Fishery Science I

Section Id :	710870155
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	710870155
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 7108706201 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The base width of an earthen pond dike depends upon

1. Height, top width and slope of dike
2. Species to be cultured
3. Position of inlets and outlets
4. Distance from the source of water intake

Options :

71087024801. 1

71087024802. 2

71087024803. 3

71087024804. 4

Question Number : 22 Question Id : 7108706202 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

An earthen channel of most economical cross section carries a discharge of 10 cum/sec with velocity of flow being 2.0 m/sec. The area of flow is

1. 20.00 m²
2. 5.00 m²
3. 10.00 m²
4. 0.20 m²

Options :

71087024805. 1

71087024806. 2

71087024807. 3

71087024808. 4

Question Number : 23 Question Id : 7108706203 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The approximate power requirement for an electrically operated pump, pumping water at the rate of 1242 cum/hr against the head of 10.00 m and with a pump efficiency of 65% shall be

1. 80 BHP
2. 70 BHP
3. 50 BHP
4. 25 BHP

Options :

71087024809. 1

71087024810. 2

71087024811. 3

71087024812. 4

Question Number : 24 Question Id : 7108706204 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a trapezoidal earthen channel, if 'T' is top width of flow, 'd' is depth of flow and z:1 is the side slope, the wetted perimeter of flow is

1. $d+2b(1+z^2)^{1/2}$
2. $2b+d(1+z^2)^{1/2}$
3. $b+2d(1+z^2)^{1/2}$
4. $b+d(1+z^2)^{1/2}$

Options :

71087024813. 1

71087024814. 2

71087024815. 3

71087024816. 4

Question Number : 25 Question Id : 7108706205 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most preferred device for supplying compressed air in a hatchery is

1. Turbine air-blowers
2. Twin lobe air compressors
3. Pneumatic air compressors
4. Propeller-aspirator pump

Options :

71087024817. 1

71087024818. 2

71087024819. 3

71087024820. 4

Question Number : 26 Question Id : 7108706206 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

International distress frequency is

1. 3082 KHz
2. 4000 KHz
3. 2082 KHz
4. 2182 KHz

Options :

- 71087024821. 1
- 71087024822. 2
- 71087024823. 3
- 71087024824. 4

Question Number : 27 Question Id : 7108706207 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which device is used mainly to find out precise position of a pelagic trawl?

1. Transmitter
2. Sonar
3. Echo-sounder
4. Net sonde

Options :

- 71087024825. 1
- 71087024826. 2
- 71087024827. 3
- 71087024828. 4

Question Number : 28 Question Id : 7108706208 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A vertical pole made of wood or steel with proper rigging for displaying the necessary and various flags and also light signals during the operation of the vessel is known as

1. Derrick
2. Mask
3. Block
4. Capstan

Options :

- 71087024829. 1
- 71087024830. 2
- 71087024831. 3
- 71087024832. 4

Question Number : 29 Question Id : 7108706209 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

As per internationally accepted norms, the activity at fishing harbours for which use of clean seawater is NOT recommended as replacement of freshwater is

1. Fish washing box
2. Auction hall hose down
3. Fish rinsing
4. Ice

Options :

- 71087024833. 1
- 71087024834. 2
- 71087024835. 3
- 71087024836. 4

Question Number : 30 Question Id : 7108706210 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The dredging technique used for dredging slurries containing extremely fine-graded sand particles is

1. Pontoon-mounted grabbing
2. Bucket dredging
3. Pontoon-mounting pumping
4. Cutter-section dredging

Options :

71087024837. 1

71087024838. 2

71087024839. 3

71087024840. 4

Question Number : 31 Question Id : 7108706211 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Widely used devices in a commercial fish meal plant are

1. Spray freezers
2. Blast freezers
3. Disc dryers
4. Ozonizers

Options :

71087024841. 1

71087024842. 2

71087024843. 3

71087024844. 4

Question Number : 32 Question Id : 7108706212 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The power supply from a battery is

1. Always AC
2. Always DC
3. Partially AC and partially DC
4. Intermittently AC and DC both

Options :

- 71087024845. 1
- 71087024846. 2
- 71087024847. 3
- 71087024848. 4

Question Number : 33 Question Id : 7108706213 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A complete power supply system consists of

- A. A generation system
- B. A high voltage transmission grid
- C. A distribution system

Select the most appropriate answer from the options given below:

1. A only
2. B only
3. C only
4. Combination of A, B and C

Options :

- 71087024849. 1

71087024850. 2

71087024851. 3

71087024852. 4

Question Number : 34 Question Id : 7108706214 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The standard voltage of a 3-phase AC power supply system in India is

1. 415 volts
2. 220 volts
3. 320 volts
4. 120 volts

Options :

71087024853. 1

71087024854. 2

71087024855. 3

71087024856. 4

Question Number : 35 Question Id : 7108706215 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

For lighting and heating, the power supply used is mostly

1. Three phase AC
2. Single phase AC
3. DC
4. A combination of AC and DC

Options :

71087024857. 1

71087024858. 2

71087024859. 3

71087024860. 4

Question Number : 36 Question Id : 7108706216 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The Frazer Ganj Fishing harbour is located in the State of

1. West Bengal
2. Maharashtra
3. Odisha
4. Gujarat

Options :

71087024861. 1
71087024862. 2
71087024863. 3
71087024864. 4

Question Number : 37 Question Id : 7108706217 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In which year did the The United Nations Convention on the Law of The Sea come in to force?

1. 1984
2. 1994
3. 1990
4. 1995

Options :

71087024865. 1
71087024866. 2
71087024867. 3
71087024868. 4

Question Number : 38 Question Id : 7108706218 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Strong acid is secreted in the stomach of

1. Herbivorous fish
2. Omnivorous fish
3. Detritivorous fish
4. Carnivorous fish

Options :

- 71087024869. 1
- 71087024870. 2
- 71087024871. 3
- 71087024872. 4

Question Number : 39 Question Id : 7108706219 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gonopodium is seen in the males of

1. Salmons
2. Sharks
3. Gold fish
4. Guppies

Options :

- 71087024873. 1
- 71087024874. 2
- 71087024875. 3
- 71087024876. 4

Question Number : 40 Question Id : 7108706220 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The smallest eggs are produced by which one of the following groups of fishes?

1. Cyclostomes
2. Flat fishes
3. Sticklebacks
4. Carps

Options :

- 71087024877. 1
- 71087024878. 2
- 71087024879. 3
- 71087024880. 4

Question Number : 41 Question Id : 7108706221 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Red tide in the sea is usually caused by

1. Diatoms
2. Dynoflagellates
3. Cladocerans
4. Bacteria

Options :

- 71087024881. 1
- 71087024882. 2
- 71087024883. 3
- 71087024884. 4

Question Number : 42 Question Id : 7108706222 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Protein sparing can be achieved, when it is deficient in the feed by incorporating

1. Starch
2. Lipids
3. Minerals
4. Vitamins

Options :

- 71087024885. 1
- 71087024886. 2
- 71087024887. 3
- 71087024888. 4

Question Number : 43 Question Id : 7108706223 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Itai-Itai disease is caused by the following in

1. Zinc
2. Mercury
3. Lead
4. Cadmium

Options :

- 71087024889. 1
- 71087024890. 2
- 71087024891. 3
- 71087024892. 4

Question Number : 44 Question Id : 7108706224 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The exploitation of a fish stock at the right age is called

1. Eumetric fishing
2. Over fishing
3. Under fishing
4. Zero fishing

Options :

- 71087024893. 1
- 71087024894. 2
- 71087024895. 3
- 71087024896. 4

Question Number : 45 Question Id : 7108706225 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Soft rayed bony fishes are covered with

1. Placoid
2. Cormoid
3. Cycloid
4. Ctenoid

Options :

- 71087024897. 1
- 71087024898. 2
- 71087024899. 3
- 71087024900. 4

Question Number : 46 Question Id : 7108706226 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which part of Echosounder converts the electrical energy to sound?

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

Options :

71087024901. 1
71087024902. 2
71087024903. 3
71087024904. 4

Question Number : 47 Question Id : 7108706227 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The intestine is shorter in

1. Carnivores
2. Bivalves
3. Amphibians
4. Planktivores

Options :

71087024905. 1
71087024906. 2
71087024907. 3
71087024908. 4

Question Number : 48 Question Id : 7108706228 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The teeth used for crushing and grounding in fish are called

1. Molariforms
2. Ardiforms
3. Canine
4. Incisor

Options :

- 71087024909. 1
- 71087024910. 2
- 71087024911. 3
- 71087024912. 4

Question Number : 49 Question Id : 7108706229 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Among the various classes of molluscs, filter feeders are exclusive to the class

1. Cephalopods
2. Gastropoda
3. Bivalvia
4. Aplacophora

Options :

- 71087024913. 1
- 71087024914. 2
- 71087024915. 3
- 71087024916. 4

Question Number : 50 Question Id : 7108706230 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Numerical method of gut content analysis is suitable for

1. Carnivore
2. Omnivore
3. Detritivore
4. Plankton feeder

Options :

- 71087024917. 1
- 71087024918. 2
- 71087024919. 3
- 71087024920. 4

Question Number : 51 Question Id : 7108706231 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The average number of eggs per unit weight of fish is

1. Relative fecundity
2. Absolute fecundity
3. Population fecundity
4. Rational fecundity

Options :

- 71087024921. 1
- 71087024922. 2
- 71087024923. 3
- 71087024924. 4

Question Number : 52 Question Id : 7108706232 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The general behavior of the vessel in the sea with respect to motion and comfort of the crew is called

1. Displacement
2. Efficiency
3. Speed
4. Sea kindliness

Options :

- 71087024925. 1
- 71087024926. 2
- 71087024927. 3
- 71087024928. 4

Question Number : 53 Question Id : 7108706233 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The ideal spindle shaped sinkers used in purse-seine is made up of which one of the following materials?

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

Options :

- 71087024929. 1
- 71087024930. 2
- 71087024931. 3
- 71087024932. 4

Question Number : 54 Question Id : 7108706234 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The enzyme Transglutaminase belongs to which group?

1. Hydrolase
2. Oxidase
3. Reductase
4. Acyl-transferase

Options :

71087024933. 1
71087024934. 2
71087024935. 3
71087024936. 4

Question Number : 55 Question Id : 7108706235 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The ends of a normal food can appear

1. Round
2. Concave or flat
3. Convex
4. Rectangular

Options :

71087024937. 1
71087024938. 2
71087024939. 3
71087024940. 4

Question Number : 56 Question Id : 7108706236 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The conditon of Honeycombing is common in

1. Sardine
2. Seer
3. Tuna
4. Crab

Options :

- 71087024941. 1
- 71087024942. 2
- 71087024943. 3
- 71087024944. 4

Question Number : 57 Question Id : 7108706237 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The end product of ATP breakdown is

1. ADP
2. Hypoxanthine
3. IMP
4. Lactic acid

Options :

- 71087024945. 1
- 71087024946. 2
- 71087024947. 3
- 71087024948. 4

Question Number : 58 Question Id : 7108706238 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The distance from the top of the dorsal seam to the base of the check wall radius is called

1. Cover hook
2. Body hook
3. Seann width
4. Counter sink

Options :

71087024949. 1
71087024950. 2
71087024951. 3
71087024952. 4

Question Number : 59 Question Id : 7108706239 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Food poisoning of canned fish products for *Clostridium botulinum* (Type E) is an indication of which one of the following?

1. Soft swell
2. Hard swell
3. Leaker spoilage
4. Springer

Options :

71087024953. 1
71087024954. 2
71087024955. 3
71087024956. 4

Question Number : 60 Question Id : 7108706240 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The presence of *Staphylococcus cereus* in processed sea food is the indicative of

1. Under processing
2. Over processing
3. Personal hygiene
4. Faecal pollution

Options :

- 71087024957. 1
- 71087024958. 2
- 71087024959. 3
- 71087024960. 4

Question Number : 61 Question Id : 7108706241 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

DSP in Bivalves is mainly caused by which one of the following organisms?

1. Dinophysis
2. Gymnodinium
3. Diatoms
4. Pyrodinium

Options :

- 71087024961. 1
- 71087024962. 2
- 71087024963. 3
- 71087024964. 4

Question Number : 62 Question Id : 7108706242 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The cost changes with a change in input is grouped under

1. Variable cost
2. Fixed cost
3. Capital cost
4. Opportunity cost

Options :

- 71087024965. 1
- 71087024966. 2
- 71087024967. 3
- 71087024968. 4

Question Number : 63 Question Id : 7108706243 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The process of involving local people in the analysis and interpretation of a rural situation is

1. Extension programme
2. Participatory Rural Appraisal
3. Demonstration of results
4. Exhibition

Options :

- 71087024969. 1
- 71087024970. 2
- 71087024971. 3
- 71087024972. 4

Question Number : 64 Question Id : 7108706244 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Earth digesting protein in the ingested food, in fish synthesize the following

1. Carboxypeptidase
2. Lipases
3. Proteases
4. Pancreatic juice

Options :

- 71087024973. 1
- 71087024974. 2
- 71087024975. 3
- 71087024976. 4

Question Number : 65 Question Id : 7108706245 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The toxic ingredient trypsin inhibitor is usually present in which one of the following?

1. Ground nut
2. Cotton seed
3. Mustard seeds
4. Soybean

Options :

- 71087024977. 1
- 71087024978. 2
- 71087024979. 3
- 71087024980. 4

Question Number : 66 Question Id : 7108706246 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Live bacterial cells which beneficially affect fish, aid in the digestion and enrich gut microflora, are referred to as

1. Enzymes
2. Hormones
3. Probiotics
4. Nucleotides

Options :

- 71087024981. 1
- 71087024982. 2
- 71087024983. 3
- 71087024984. 4

Question Number : 67 Question Id : 7108706247 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the manufacture of extruded floating feeds for fish, the following conditions should be met

1. High temperature
2. High pressure
3. High moisture
4. All of above conditions

Options :

- 71087024985. 1
- 71087024986. 2
- 71087024987. 3
- 71087024988. 4

Question Number : 68 Question Id : 7108706248 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For estimating digestibility in fish, the following compound is incorporated in feeds at low levels

1. Bentonite
2. Chromic oxide
3. Calcium chloride
4. Magnesium oxide

Options :

- 71087024989. 1
- 71087024990. 2
- 71087024991. 3
- 71087024992. 4

Question Number : 69 Question Id : 7108706249 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The following programming is used for formulation of least cost diets for fish/shell fish

1. Hardy's Square programming
2. Peterson Square programming
3. Mixed feeding schedule programming
4. Linear programming

Options :

- 71087024993. 1
- 71087024994. 2
- 71087024995. 3
- 71087024996. 4

Question Number : 70 Question Id : 7108706250 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The deficiency of which one of the following causes haemorrhagic kidney in fish?

1. Iodine
2. Choline
3. Cholestrol
4. Iron

Options :

71087024997. 1
71087024998. 2
71087024999. 3
71087025000. 4

Part C Fisheries Resource Management

Section Id :	710870156
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	710870156
Question Shuffling Allowed :	Yes

Question Number : 71 Question Id : 7108706251 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The distance from the anterior-most part of the head back to the end of the vertebral column of a fish is known as its

1. Standard length
2. Total length
3. Post-dorsal length
4. Post-anal length

Options :

- 71087025001. 1
- 71087025002. 2
- 71087025003. 3
- 71087025004. 4

Question Number : 72 Question Id : 7108706252 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In addition to Skipjack tuna (*Katsuwonus pelamis*), which is the other major contributing species for the tuna resources of Lakshwadeep islands

1. *Thunnus alalunga*
2. *Thunnus albacares*
3. *Thunnus thynnus*
4. *Thunnus orientalis*

Options :

- 71087025005. 1
- 71087025006. 2
- 71087025007. 3
- 71087025008. 4

Question Number : 73 Question Id : 7108706253 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following coasts of India is famous for the fisheries of flying fish?

1. Konkan coast
2. Coromandel Coast
3. Malabar coast
4. Lakshadweep

Options :

71087025009. 1
71087025010. 2
71087025011. 3
71087025012. 4

Question Number : 74 Question Id : 7108706254 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

According to CMFRI, which one of the following groups was the top contributor to the marine fish catch of India in the year 2016?

1. Oil sardines
2. Indian mackerel
3. Lesser sardines
4. Ribbon fishes

Options :

71087025013. 1
71087025014. 2
71087025015. 3
71087025016. 4

Question Number : 75 Question Id : 7108706255 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Seer fishes are generally abundant in the neritic and oceanic waters of Indian coasts but which one of the following seer fish species is present in less saline turbid waters of the coastal belt?

1. *Scomberomorus guttatus*
2. *Scomberomorus commerson*
3. *Scomberomorus lineolatus*
4. *Acanthocybium solandri*

Options :

71087025017. 1
71087025018. 2
71087025019. 3
71087025020. 4

Question Number : 76 Question Id : 7108706256 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

According to FAO, which one of the following tuna species is the largest contributor to the total world tuna catch?

1. *Thunnus obesus*
2. *Katsuwonus pelamis*
3. *Thunnus orientalis*
4. *Thunnus maccoyii*

Options :

71087025021. 1
71087025022. 2
71087025023. 3
71087025024. 4

Question Number : 77 Question Id : 7108706257 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which is the most valuable product obtained from sharks?

1. Liver extracts
2. Shark fins
3. Squalene
4. Shark cartilage

Options :

71087025025. 1
71087025026. 2
71087025027. 3
71087025028. 4

Question Number : 78 Question Id : 7108706258 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT correct about the antarctic convergence?

1. Its position varies seasonally and geographically
2. It results in mixing and upwelling
3. It results in uniform hydrological conditions and marine life in the southern oceans
4. It causes high krill production in the southern oceans

Options :

71087025029. 1
71087025030. 2
71087025031. 3
71087025032. 4

Question Number : 79 Question Id : 7108706259 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the scientific name of Orange roughy, a deep-sea fish?

1. *Dissostichus eleginoides*
2. *Macruronus novaezelandiae*
3. *Hoplostethus atlanticus*
4. *Molva molva*

Options :

71087025033. 1
71087025034. 2
71087025035. 3
71087025036. 4

Question Number : 80 Question Id : 7108706260 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following sentences about the Code of Conduct for the Responsible Fisheries (CCRF) is correct?

1. It is mandatory for all signatories of CCRF to implement it
2. There are 12 articles in CCRF
3. Aquaculture is not a part of CCRF
4. Post-harvest practices and trade is not a part of CCRF

Options :

71087025037. 1
71087025038. 2
71087025039. 3
71087025040. 4

Question Number : 81 Question Id : 7108706261 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The best method to study the degree of fullness of the stomach of fishes is

1. Frequency of occurrence
2. Numerical occurrence
3. Dominance
4. Volumetric method

Options :

- 71087025041. 1
- 71087025042. 2
- 71087025043. 3
- 71087025044. 4

Question Number : 82 Question Id : 7108706262 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT a regulation measure to correct the exploitative pattern of a fishery?

1. Minimum legal size of landed fishes
2. Minimum mesh size of the fishing nets
3. Individual quotes of fishing vessels
4. Closed areas and periods

Options :

- 71087025045. 1
- 71087025046. 2
- 71087025047. 3
- 71087025048. 4

Question Number : 83 Question Id : 7108706263 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT true in the case of a Fisheries Management Plan?

1. Government has the primary responsibilities and accountabilities for making decisions
2. Partnership between management authorities and interest group
3. Many objectives will be mutually incompatible
4. There will not be any non-fishery interest groups

Options :

- 71087025049. 1
- 71087025050. 2
- 71087025051. 3
- 71087025052. 4

Question Number : 84 Question Id : 7108706264 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following fishes have a spiral valve intestine?

- A. Sturgeon
- B. Lung fishes
- C. Carps
- D. Mulletts

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

1. A and C only
2. C and D only
3. A and B only
4. B and D only

Options :

- 71087025053. 1

71087025054. 2

71087025055. 3

71087025056. 4

Question Number : 85 Question Id : 7108706265 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The acid produced in the stomach of carnivorous fishes is

1. Oxalinic acid
2. Acetic acid
3. Hydrochloric acid
4. Carboxylic acid

Options :

71087025057. 1

71087025058. 2

71087025059. 3

71087025060. 4

Question Number : 86 Question Id : 7108706266 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The index calculated by dividing the weight of the stomach of a fish with its weight and then multiplying with 100 is the

1. Gonadosomatic Index
2. Gastrosomatic Index
3. Index of preponderance
4. Food conversion efficiency

Options :

71087025061. 1

71087025062. 2

71087025063. 3

71087025064. 4

Question Number : 87 Question Id : 7108706267 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During winter, migratory fishing is practised in which one of the following estuaries?

1. Hooghly-Matlah
2. Godavari
3. Mahanadi
4. Narmada

Options :

71087025065. 1

71087025066. 2

71087025067. 3

71087025068. 4

Question Number : 88 Question Id : 7108706268 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT correct about Mahseer fishes?

1. They cannot be adapted to lentic waters
2. They occur at a height less than 2000m
3. They occur in fast-moving streams with rocky and gravel bed
4. Distribution of this fish is governed by temperature

Options :

71087025069. 1

71087025070. 2

71087025071. 3

71087025072. 4

Question Number : 89 Question Id : 7108706269 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In which one of the following brackish water bodies of India, is there a luxuriant growth of *Gracilaria* sp?

1. Chilka lake
2. Vembanad lake
3. Pulicat lake
4. Hoogly-Matleh estuary

Options :

- 71087025073. 1
- 71087025074. 2
- 71087025075. 3
- 71087025076. 4

Question Number : 90 Question Id : 7108706270 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

A lake with water temperature above 4 °C with rare mixing or continual stratification is grouped under which one of the following categories?

1. Oligomictic
2. Amictic
3. Polymictic
4. Monomictic

Options :

- 71087025077. 1
- 71087025078. 2
- 71087025079. 3
- 71087025080. 4

Question Number : 91 Question Id : 7108706271 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Some of the hill stream fishes have upward positioning gill slits. This adaptation is for overcoming which of the following conditions?

1. Turbulent and muddy current
2. Intense light in transparent waters
3. To survive in more oxygenated waters
4. For efficient sieving of scarce food

Options :

- 71087025081. 1
- 71087025082. 2
- 71087025083. 3
- 71087025084. 4

Question Number : 92 Question Id : 7108706272 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In which region of the ocean, do the squalid sharks (Squalidae) occur?

1. Epipelagic
2. Abyssopelagic
3. Mesopelagic
4. Bethypelagic

Options :

- 71087025085. 1
- 71087025086. 2
- 71087025087. 3
- 71087025088. 4

Question Number : 93 Question Id : 7108706273 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT a usual step in the development of reservoir fisheries?

1. Stocks of Reservoirs
2. Construction of fishways and fish lifts
3. Establishment of fish farms at dam sites
4. Locating the breeding sites in the reservoirs

Options :

- 71087025089. 1
- 71087025090. 2
- 71087025091. 3
- 71087025092. 4

Question Number : 94 Question Id : 7108706274 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following fishes is the largest group contributors to the demersal fish catch of India?

1. Perches
2. Croakers
3. Silver bellies
4. Lizard fishes

Options :

- 71087025093. 1
- 71087025094. 2
- 71087025095. 3
- 71087025096. 4

Question Number : 95 Question Id : 7108706275 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following statements is NOT correct about demersal fishes?

1. Majority of the species of elasmobranchs in Indian seas are viviparous, some are oviparous and few ovo-viviparous
2. Threadfin breams are fractional spawners with protracted spawning period
3. Rock cods are protandrous hermaphrodite
4. Grouper are protogynous hermaphrodite

Options :

- 71087025097. 1
- 71087025098. 2
- 71087025099. 3
- 71087025100. 4

Question Number : 96 Question Id : 7108706276 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following statements about Indian catfishes is NOT true?

1. They migrate both vertically (diurnal migration) and horizontally (seasonal migration)
2. The south-west coast of India landed the major quantity of catfishes in India
3. Male cat fishes carry eggs in the oro-buccal cavity
4. After spawning, brooding males segregate into shoals

Options :

- 71087025101. 1
- 71087025102. 2
- 71087025103. 3
- 71087025104. 4

Question Number : 97 Question Id : 7108706277 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. <i>Pinctada fucata</i>	I. Indian backwater oyster
B. <i>Crassostrea madrasensis</i>	II. Rock oyster
C. <i>Saccostrea cucullata</i>	III. Black lip oyster
D. <i>Pinctada margaritifera</i>	IV. Indian pearl oyster

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

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

Options :

- 71087025105. 1
- 71087025106. 2
- 71087025107. 3
- 71087025108. 4

Question Number : 98 Question Id : 7108706278 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following gastropods is edible?

1. *Turbinella pyrum*
2. *Babylonia spirata*
3. *Murex badius*
4. *Turritella attenuata*

Options :

- 71087025109. 1

71087025110. 2

71087025111. 3

71087025112. 4

Question Number : 99 Question Id : 7108706279 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following methodologies is followed for the collection of marine fish catch in India?

1. Multi-stage stratified random sampling
2. Stratified random sampling
3. Systematic sampling
4. Random sampling

Options :

71087025113. 1

71087025114. 2

71087025115. 3

71087025116. 4

Question Number : 100 Question Id : 7108706280 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT true about a fish population?

1. It is a biological concept
2. It is basic fish sampling unit
3. Each member of the population shares a common spawning ground
4. Larvae develop in the same geographical area

Options :

71087025117. 1

71087025118. 2

71087025119. 3

71087025120. 4

Question Number : 101 Question Id : 7108706281 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Beverton Holt Model	I. Surplus production model
B. Schaefer model	II. Microanalytical model
C. Leslie Model	III. Capture-recapture method
D. Hyper geometric Model	IV. Successive removal method

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

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

Options :

71087025121. 1

71087025122. 2

71087025123. 3

71087025124. 4

Question Number : 102 Question Id : 7108706282 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which annexure of MARPOL has regulations for the prevention of dumping garbage from ships?

1. Annexure - 2
2. Annexure - 4
3. Annexure - 5
4. Annexure - 3

Options :

- 71087025125. 1
- 71087025126. 2
- 71087025127. 3
- 71087025128. 4

Question Number : 103 Question Id : 7108706283 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which country, bamboo rafts called 'Payaw' are used as a FAD?

1. Philippines
2. Indonesia
3. Malaysia
4. Thailand

Options :

- 71087025129. 1
- 71087025130. 2
- 71087025131. 3
- 71087025132. 4

Question Number : 104 Question Id : 7108706284 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is a commercially exploited deep water shrimp?

1. *Phycis blennoides*
2. *Milva milva*
3. *Allocttus niger*
4. *Aristaeomorpha foliacea*

Options :

- 71087025133. 1
- 71087025134. 2
- 71087025135. 3
- 71087025136. 4

Question Number : 105 Question Id : 7108706285 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which method, two cod ends are used for the selectivity study of a trawl?

1. Twin trawl method
2. Trouser trawl method
3. Covered cod-end method
4. Swept area method

Options :

- 71087025137. 1
- 71087025138. 2
- 71087025139. 3
- 71087025140. 4

Question Number : 106 Question Id : 7108706286 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT a herd BRD?

1. TED
2. Square Mesh Window
3. Saper Shooter
4. JFESSD of CIFT

Options :

- 71087025141. 1
- 71087025142. 2
- 71087025143. 3
- 71087025144. 4

Question Number : 107 Question Id : 7108706287 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT an Ecolabel?

1. Marine Stewardship Council
2. Naturland
3. Marine Aquarium Council
4. FSSAI

Options :

- 71087025145. 1
- 71087025146. 2
- 71087025147. 3
- 71087025148. 4

Question Number : 108 Question Id : 7108706288 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the management of straddling fish stocks, and highly migratory fish stock, which one of the following is the best management approach?

1. Rights-based approach
2. Ecosystem approach
3. Precautionary approach
4. Biological approach

Options :

- 71087025149. 1
- 71087025150. 2
- 71087025151. 3
- 71087025152. 4

Question Number : 109 Question Id : 7108706289 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following types of models for fish stock assessment does NOT allow chance fluctuations in its construction?

1. Deterministic models
2. Macro analytical models
3. Stochastic models
4. Micro-analytical models

Options :

- 71087025153. 1
- 71087025154. 2
- 71087025155. 3
- 71087025156. 4

Question Number : 110 Question Id : 7108706290 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT an assumption made while estimating MEY?

1. Discount rate is taken as zero
2. Cost of fishing is a simple linear function of stock size
3. Fishing costs rise proportionately with effort
4. Social aspects have an effect on MEY

Options :

- 71087025157. 1
- 71087025158. 2
- 71087025159. 3
- 71087025160. 4

Question Number : 111 Question Id : 7108706291 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In extension programme planning, what is the priority for the definition of the problems?

1. I
2. II
3. III
4. IV

Options :

- 71087025161. 1
- 71087025162. 2
- 71087025163. 3
- 71087025164. 4

Question Number : 112 Question Id : 7108706292 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which is the oldest method used for determining the age of fishes?

1. Tagging and recapture
2. Injection of chemical markers
3. Age determinants using hard parts
4. Use of length frequency data

Options :

- 71087025165. 1
- 71087025166. 2
- 71087025167. 3
- 71087025168. 4

Question Number : 113 Question Id : 7108706293 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following indices is a summary of the frequency of occurrence as well as the bulk of various food items?

1. Index of preponderance
2. Index of electivity
3. Index of selection
4. Index of fullnes

Options :

- 71087025169. 1
- 71087025170. 2
- 71087025171. 3
- 71087025172. 4

Question Number : 114 Question Id : 7108706294 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following factors is very favourable for the maturation of oil sardines?

1. Good diatom bloom
2. Normal monsoon
3. Upwelling in April/May
4. Excess rainfall

Options :

- 71087025173. 1
- 71087025174. 2
- 71087025175. 3
- 71087025176. 4

Question Number : 115 Question Id : 7108706295 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Under which of the following acts marine protected areas are declared?

1. Maritime Zones Act, 1976
2. Indian Wildlife (Protection) Act, 1972
3. Biological Diversity Act, 2002
4. Maritime Zones of India Act, 1981

Options :

- 71087025177. 1
- 71087025178. 2
- 71087025179. 3
- 71087025180. 4

Question Number : 116 Question Id : 7108706296 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following states is the largest contributor to the crustaceans fisheries of India?

1. Kerala
2. Karnataka
3. Maharashtra
4. Gujarat

Options :

71087025181. 1
71087025182. 2
71087025183. 3
71087025184. 4

Question Number : 117 Question Id : 7108706297 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pomfrets belong to which one of the following families?

1. Scatophagidae
2. Stromateidae
3. Scombridae
4. Lutjanidae

Options :

71087025185. 1
71087025186. 2
71087025187. 3
71087025188. 4

Question Number : 118 Question Id : 7108706298 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In India, the first Fishermen Cooperative was established in Maharashtra. Which of the following states were the next to establish Fishermen Cooperatives?

1. West Bengal, Tamil Nadu
2. Tamil Nadu, Kerala
3. Karnatak, Kerala
4. Kerala, West Bengal

Options :

- 71087025189. 1
- 71087025190. 2
- 71087025191. 3
- 71087025192. 4

Question Number : 119 Question Id : 7108706299 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the shape of the selection curve of a trawl net?

1. Linear
2. Normal
3. Sigmoid
4. Trough

Options :

- 71087025193. 1
- 71087025194. 2
- 71087025195. 3
- 71087025196. 4

Question Number : 120 Question Id : 7108706300 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During fishing operation, which gear back down procedure is used to avoid bycatch?

1. Trawls
2. Gillnets
3. Longlines
4. Purse seines

Options :

- 71087025197. 1
- 71087025198. 2
- 71087025199. 3
- 71087025200. 4