

National Testing Agency

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| Question Paper Name : | Aquaculture 17th September Shift 2 |
| Subject Name : | Aquaculture |
| Creation Date : | 2021-09-17 18:54:49 |
| Duration : | 120 |
| Total Marks : | 480 |
| Display Marks: | Yes |

Aquaculture

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|--------------------------------------|-----------|
| Group Number : | 1 |
| Group Id : | 190889128 |
| 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 : | 190889308 |
| Section Number : | 1 |
| Section type : | Online |
| Mandatory or Optional : | Mandatory |

| | |
|---|-----------|
| Number of Questions : | 20 |
| Number of Questions to be attempted : | 20 |
| Section Marks : | 80 |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 190889348 |
| Question Shuffling Allowed : | Yes |

Question Number : 1 Question Id : 19088914662 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 :

19088958541. 1

19088958542. 2

19088958543. 3

19088958544. 4

Question Number : 2 Question Id : 19088914663 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 :

- 19088958545. 1
- 19088958546. 2
- 19088958547. 3
- 19088958548. 4

Question Number : 3 Question Id : 19088914664 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 :

- 19088958549. 1
- 19088958550. 2
- 19088958551. 3
- 19088958552. 4

Question Number : 4 Question Id : 19088914665 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 :

- 19088958553. 1
- 19088958554. 2
- 19088958555. 3

19088958556. 4

Question Number : 5 Question Id : 19088914666 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 B₂?

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

Options :

19088958557. 1

19088958558. 2

19088958559. 3

19088958560. 4

Question Number : 6 Question Id : 19088914667 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 :

19088958561. 1

19088958562. 2

19088958563. 3

19088958564. 4

Question Number : 7 Question Id : 19088914668 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

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 :

19088958565. 1

19088958566. 2

19088958567. 3

19088958568. 4

Question Number : 8 Question Id : 19088914669 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 :

19088958569. 1

19088958570. 2

19088958571. 3

19088958572. 4

Question Number : 9 Question Id : 19088914670 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 :

19088958573. 1

19088958574. 2

19088958575. 3

19088958576. 4

Question Number : 10 Question Id : 19088914671 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 :

19088958577. 1

19088958578. 2

19088958579. 3

19088958580. 4

Question Number : 11 Question Id : 19088914672 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 :

19088958581. 1

19088958582. 2

19088958583. 3

19088958584. 4

Question Number : 12 Question Id : 19088914673 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 :

19088958585. 1

19088958586. 2

19088958587. 3

19088958588. 4

Question Number : 13 Question Id : 19088914674 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 :

19088958589. 1

19088958590. 2

19088958591. 3

19088958592. 4

Question Number : 14 Question Id : 19088914675 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 :

19088958593. 1

19088958594. 2

19088958595. 3

19088958596. 4

Question Number : 15 Question Id : 19088914676 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 :

19088958597. 1

19088958598. 2

19088958599. 3

19088958600. 4

Question Number : 16 Question Id : 19088914677 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 :

19088958601. 1

19088958602. 2

19088958603. 3

19088958604. 4

Question Number : 17 Question Id : 19088914678 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 :

19088958605. 1

19088958606. 2

19088958607. 3

19088958608. 4

**Question Number : 18 Question Id : 19088914679 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 :

19088958609. 1

19088958610. 2

19088958611. 3

19088958612. 4

**Question Number : 19 Question Id : 19088914680 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 :

19088958613. 1

19088958614. 2

19088958615. 3

19088958616. 4

Question Number : 20 Question Id : 19088914681 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 :

19088958617. 1

19088958618. 2

19088958619. 3

19088958620. 4

Part B Core : Fishery Science-II

Section Id : 190889309

Section Number : 2

Section type : Online

| | |
|---|-----------|
| Mandatory or Optional : | Mandatory |
| Number of Questions : | 50 |
| Number of Questions to be attempted : | 50 |
| Section Marks : | 200 |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 190889349 |
| Question Shuffling Allowed : | Yes |

**Question Number : 21 Question Id : 19088914682 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which of the following shrimp culture systems uses auto-stocking method of stocking?

1. Semi-intensive
2. Extensive
3. Super-Intensive
4. Intensive

Options :

19088958621. 1

19088958622. 2

19088958623. 3

19088958624. 4

**Question Number : 22 Question Id : 19088914683 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Seed production technology for seabass was developed by

1. ICAR-CIFA
2. ICAR-CIFT
3. ICAR-CMFRI
4. ICAR-CIBA

Options :

19088958625. 1

19088958626. 2

19088958627. 3

19088958628. 4

Question Number : 23 Question Id : 19088914684 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Feed is the most expensive input in

1. Extensive aquaculture system
2. Intensive aquaculture system
3. Semi-intensive aquaculture system
4. Modified extensive aquaculture system

Options :

19088958629. 1

19088958630. 2

19088958631. 3

19088958632. 4

Question Number : 24 Question Id : 19088914685 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following shrimp culture system is commonly practiced in India?

1. Intensive system
2. Semi-intensive system
3. Extensive system
4. Super-intensive system

Options :

19088958633. 1

19088958634. 2

19088958635. 3

19088958636. 4

Question Number : 25 Question Id : 19088914686 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The preferred stocking density of IMCs broodstock in pond is

1. 500 Kg/ha
2. 1000 Kg/ha
3. 3000 Kg/ha
4. 2000 Kg/ha

Options :

19088958637. 1

19088958638. 2

19088958639. 3

19088958640. 4

Question Number : 26 Question Id : 19088914687 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Catla has upturned mouth with prominent protruding lower jaw.

Reason R: Catla feeds on zooplankton present in upper layer of pond water.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958641. 1

19088958642. 2

19088958643. 3

19088958644. 4

**Question Number : 27 Question Id : 19088914688 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Murrels are grouped under Air-breathing catfish.

Reason R: Murrels can survive in low dissolved oxygen water.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958645. 1

19088958646. 2

19088958647. 3

19088958648. 4

**Question Number : 28 Question Id : 19088914689 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which of the following live feeds having smallest size and very useful in fish larval rearing?

1. *Artemia nauplii*
2. *Parvocalanus* sp.
3. *Acartia* sp.
4. *Brachionus* sp.

Options :

19088958649. 1

19088958650. 2

19088958651. 3

19088958652. 4

**Question Number : 29 Question Id : 19088914690 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Fish production in RAS is highly profitable.

Reason R: Fish production per unit area in RAS is very high in comparison to pond culture.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958653. 1

19088958654. 2

19088958655. 3

19088958656. 4

**Question Number : 30 Question Id : 19088914691 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

The total inland fish production is highest in

1. West Bengal
2. Andhra Pradesh
3. Bihar
4. Uttar Pradesh

Options :

- 19088958657. 1
- 19088958658. 2
- 19088958659. 3
- 19088958660. 4

Question Number : 31 Question Id : 19088914692 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Freshwater prawns come under which phylum?

- 1. Mollusc
- 2. Chordate
- 3. Athropoda
- 4. Protozoa

Options :

- 19088958661. 1
- 19088958662. 2
- 19088958663. 3
- 19088958664. 4

Question Number : 32 Question Id : 19088914693 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fenneropenaeus indicus prefers

- 1. Muddy bottom
- 2. Humus filled bottom
- 3. Sandy bottom
- 4. No preferance

Options :

- 19088958665. 1
- 19088958666. 2
- 19088958667. 3

19088958668. 4

Question Number : 33 Question Id : 19088914694 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is called as water stick?

1. Belostoma
2. Ranatra
3. Notonecta
4. Nepa

Options :

19088958669. 1

19088958670. 2

19088958671. 3

19088958672. 4

Question Number : 34 Question Id : 19088914695 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The dosage of ovatide given to carp males is

1. 0.2-0.3 ml/Kg
2. 1.0 ml/Kg
3. 0.7-0.8 ml/Kg
4. 0.5 ml/Kg

Options :

19088958673. 1

19088958674. 2

19088958675. 3

19088958676. 4

Question Number : 35 Question Id : 19088914696 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Females of major carp attain the first maturity later than males of the same age group.

Reason R: Because males take more feed than females before attaining their first maturity.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958677. 1

19088958678. 2

19088958679. 3

19088958680. 4

Question Number : 36 Question Id : 19088914697 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which is the major haemopoetic organ of fish?

1. Liver
2. Spleen
3. Anterior kidney
4. Posterior kidney

Options :

19088958681. 1

19088958682. 2

19088958683. 3

19088958684. 4

Question Number : 37 Question Id : 19088914698 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is commonly known as kareemeen?

1. Pompano
2. Pearl spot
3. Snapper
4. Tilapia

Options :

19088958685. 1

19088958686. 2

19088958687. 3

19088958688. 4

Question Number : 38 Question Id : 19088914699 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is preferred first food for carp larvae?

1. Copepods
2. Cladocerans
3. Rotifers
4. Cyclops

Options :

19088958689. 1

19088958690. 2

19088958691. 3

19088958692. 4

Question Number : 39 Question Id : 19088914700 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In fish, during spawning period

1. GSI decreases
2. GSI increases
3. GSI remains unchanged
4. Ova diameter decreases

Options :

19088958693. 1

19088958694. 2

19088958695. 3

19088958696. 4

Question Number : 40 Question Id : 19088914701 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Non-specific immunity is first line of defence in fishes.

Reason R: Acquired immunity is comparatively weak in shell fishes.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958697. 1

19088958698. 2

19088958699. 3

19088958700. 4

Question Number : 41 Question Id : 19088914702 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Kupffer cells are macrophages present in

1. Brain
2. Liver
3. Muscle
4. Kidney

Options :

19088958701. 1

19088958702. 2

19088958703. 3

19088958704. 4

Question Number : 42 Question Id : 19088914703 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

B cells and T cells are type of

1. Neutrophils
2. Basophiles
3. Lymphocytes
4. Antibodies

Options :

19088958705. 1

19088958706. 2

19088958707. 3

19088958708. 4

Question Number : 43 Question Id : 19088914704 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The lymphoid organ that works as both primary and secondary lymphoid organ in fish is

1. Spleen
2. Liver
3. Head Kidney
4. Bone Marrow

Options :

19088958709. 1

19088958710. 2

19088958711. 3

19088958712. 4

Question Number : 44 Question Id : 19088914705 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Antigens are present in which of the following cells?

1. Neutrophils
2. Basophils
3. Eosinophils
4. Macrophages

Options :

19088958713. 1

19088958714. 2

19088958715. 3

19088958716. 4

Question Number : 45 Question Id : 19088914706 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fish IgM is

1. Monomeric
2. Dimeric
3. Trimeric
4. Tetrameric

Options :

- 19088958717. 1
- 19088958718. 2
- 19088958719. 3
- 19088958720. 4

Question Number : 46 Question Id : 19088914707 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one of the following is an acute phage protein?

- 1. Complement
- 2. Antigen
- 3. Antibody
- 4. CRP

Options :

- 19088958721. 1
- 19088958722. 2
- 19088958723. 3
- 19088958724. 4

Question Number : 47 Question Id : 19088914708 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Transboundary movement of disease is called

- 1. Panzootic
- 2. Epizootic
- 3. Enzootic
- 4. Zoonotic

Options :

- 19088958725. 1
- 19088958726. 2
- 19088958727. 3

19088958728. 4

Question Number : 48 Question Id : 19088914709 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Commonly used disinfectant in aquaculture is

1. NaCl
2. Malachite Green
3. Copper Sulphate
4. KMnO₄

Options :

19088958729. 1

19088958730. 2

19088958731. 3

19088958732. 4

Question Number : 49 Question Id : 19088914710 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Dry ice is solid form of-

1. Carbon dioxide
2. Nitrogen
3. Sulphur dioxide
4. Methane

Options :

19088958733. 1

19088958734. 2

19088958735. 3

19088958736. 4

Question Number : 50 Question Id : 19088914711 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is used for tissue fixation?

1. HCHO
2. EDTA
3. NaCl
4. KMnO₄

Options :

19088958737. 1

19088958738. 2

19088958739. 3

19088958740. 4

**Question Number : 51 Question Id : 19088914712 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

White spot disease of fish is caused by which of the following ?

1. *Ichthyophthirus multifilis*
2. *Ichthyobodo nector*
3. *Myxobolous cerebralis*
4. *Yersinia ruckeri*

Options :

19088958741. 1

19088958742. 2

19088958743. 3

19088958744. 4

**Question Number : 52 Question Id : 19088914713 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Zoonotic disease is described as transmission of disease

1. From animal to human
2. From animal to animal
3. From human to animal
4. From human to human

Options :

19088958745. 1

19088958746. 2

19088958747. 3

19088958748. 4

Question Number : 53 Question Id : 19088914714 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is a gram positive pathogenic bacteria?

1. *Yersinia ruckeri*
2. *Aeromonas hydrophila*
3. *Streptococcus*
4. *Flavobacterium columnare*

Options :

19088958749. 1

19088958750. 2

19088958751. 3

19088958752. 4

Question Number : 54 Question Id : 19088914715 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Symptoms of Exophthalmia are related to

1. Brain
2. Eye
3. Skin
4. Kidney

Options :

19088958753. 1

19088958754. 2

19088958755. 3

19088958756. 4

Question Number : 55 Question Id : 19088914716 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Aflatoxin is produced by

1. *Aspergillus*
2. *Branchiomysis demigrans*
3. *Branchiomysis sanguinis*
4. *Ichthyobodo nector*

Options :

19088958757. 1

19088958758. 2

19088958759. 3

19088958760. 4

Question Number : 56 Question Id : 19088914717 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Latest Indian fish production is

1. 12.50 mmt
2. 11.25 mmt
3. 14.16 mmt
4. 18.50 mmt

Options :

19088958761. 1

19088958762. 2

19088958763. 3

19088958764. 4

Question Number : 57 Question Id : 19088914718 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Latest global aquaculture production excluding aquatic plants, as per FAO data, is

1. 82 mmt
2. 65 mmt
3. 98 mmt
4. 76 mmt

Options :

19088958765. 1

19088958766. 2

19088958767. 3

19088958768. 4

Question Number : 58 Question Id : 19088914719 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The available ponds and tanks resources for fish culture in the country, as per Government of India statistics, is

1. 3.15 m ha
2. 1.85 m ha
3. 4.15 m ha
4. 2.35 m ha

Options :

19088958769. 1

19088958770. 2

19088958771. 3

19088958772. 4

**Question Number : 59 Question Id : 19088914720 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

High PER in fish fed with higher carbohydrate is due to

1. High water retention
2. High protein retention
3. High fat deposition
4. High carbohydrate deposition

Options :

19088958773. 1

19088958774. 2

19088958775. 3

19088958776. 4

**Question Number : 60 Question Id : 19088914721 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Enzymes Carboxypeptidases belong to the group

1. Endopeptidase
2. Exopeptidase
3. Cystine protease
4. Amino peptidase

Options :

19088958777. 1

19088958778. 2

19088958779. 3

19088958780. 4

Question Number : 61 Question Id : 19088914722 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following nutrient is absorbed by facilitated diffusion

1. Glucose
2. Tryptophan
3. Lysine
4. Fructose

Options :

19088958781. 1

19088958782. 2

19088958783. 3

19088958784. 4

Question Number : 62 Question Id : 19088914723 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Ring test is used to test the digestibility of

1. Fish meal
2. Fish oil
3. Fish silage
4. Fish fillet

Options :

- 19088958785. 1
- 19088958786. 2
- 19088958787. 3
- 19088958788. 4

Question Number : 63 Question Id : 19088914724 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Haemorrhagic kidney is the symptom of deficiency of

- 1. Niacin
- 2. Iron
- 3. Choline
- 4. Calcium

Options :

- 19088958789. 1
- 19088958790. 2
- 19088958791. 3
- 19088958792. 4

Question Number : 64 Question Id : 19088914725 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Feeding of excess untreated cotton seed cake in fish feeds causes

- 1. Gill necrosis
- 2. Liver necrosis
- 3. Caudal necrosis
- 4. Pancrease necrosis

Options :

- 19088958793. 1
- 19088958794. 2
- 19088958795. 3

19088958796. 4

Question Number : 65 Question Id : 19088914726 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The presence of which of the following in fish meals is a major concern for the fish feed industry?

1. Polyphenols
2. Polychlorines
3. Polypropelene
4. Polychlorinated biphenyls

Options :

19088958797. 1

19088958798. 2

19088958799. 3

19088958800. 4

Question Number : 66 Question Id : 19088914727 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Preferred food of freshwater prawn , *Macrobrachium rosenbergii* larvae in the absence of Artemia is

1. Moina
2. Rotifer
3. Daphnia
4. Ostracod

Options :

19088958801. 1

19088958802. 2

19088958803. 3

19088958804. 4

Question Number : 67 Question Id : 19088914728 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 |
|-------------------|--------------------|
| Fish/shellfish | Ideal feed |
| A. Rohu spawn | I. Artemia nauplii |
| B. Scampi larvae | II. Rotifers |
| C. Seabass larvae | III. Animal waste |
| D. Pangasius | IV. Cladocerans |

Choose the correct answer from the options given below:

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

Options :

19088958805. 1

19088958806. 2

19088958807. 3

19088958808. 4

Question Number : 68 Question Id : 19088914729 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

With optimum pond management as well as feeding of formulated balanced feeds , it is possible to get carp production (tonnes/ha/year) as high as,

1. 12-13
2. 15-17
3. 18-21
4. 10-12

Options :

19088958809. 1

19088958810. 2

19088958811. 3

19088958812. 4

Question Number : 69 Question Id : 19088914730 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Dietary protein requirement of fish has a linear relationship with

1. FCR
2. FER
3. SGR
4. NPR

Options :

19088958813. 1

19088958814. 2

19088958815. 3

19088958816. 4

Question Number : 70 Question Id : 19088914731 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 |
|----------|---|
| Vitamins | Recommended levels in prawn/shrimp diet |
| A. A | I. 100-200 IU |
| B. K | II. 50-100 mg |
| C. E | III. 5000-10000 IU |
| D. C | IV. 200-400 mg |

Choose the correct answer from the options given below:

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

Options :

19088958817. 1

19088958818. 2

19088958819. 3

19088958820. 4

Part C : Aquaculture

| | |
|---|-----------|
| Section Id : | 190889310 |
| Section Number : | 3 |
| Section type : | Online |
| Mandatory or Optional : | Mandatory |
| Number of Questions : | 50 |
| Number of Questions to be attempted : | 50 |
| Section Marks : | 200 |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 190889350 |

Question Shuffling Allowed :

Yes

Question Number : 71 Question Id : 19088914732 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Channa striata is commonly called as

1. Striped murrel
2. Giant murrel
3. Spotted murrel
4. Bulleye murrel

Options :

19088958821. 1

19088958822. 2

19088958823. 3

19088958824. 4

Question Number : 72 Question Id : 19088914733 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: IMTA works under the circular economy approach.

Reason R: IMTA integrates the production of aquaculture species of different trophic levels and minimizes the energy losses.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958825. 1

19088958826. 2

19088958827. 3

19088958828. 4

**Question Number : 73 Question Id : 19088914734 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

What should be the appropriate shape of a pond for the maximal utilization of land?

1. Circular
2. Rectangular
3. Square
4. Triangular

Options :

19088958829. 1

19088958830. 2

19088958831. 3

19088958832. 4

**Question Number : 74 Question Id : 19088914735 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

The typical length to width ratio of a pond is

1. 2-3:1
2. 1-2:1
3. 4:1
4. 1:1

Options :

19088958833. 1

19088958834. 2

19088958835. 3

19088958836. 4

Question Number : 75 Question Id : 19088914736 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The protein percentage in spirulina on dry weight basis is

1. 20-30
2. 30-40
3. 60-70
4. 40-50

Options :

19088958837. 1

19088958838. 2

19088958839. 3

19088958840. 4

Question Number : 76 Question Id : 19088914737 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In a RAS, the coarse suspended solids in water are generally removed by

1. Biofilters
2. Drum filters
3. Sand filters
4. Skimmers

Options :

19088958841. 1

19088958842. 2

19088958843. 3

19088958844. 4

Question Number : 77 Question Id : 19088914738 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Dissolved CO₂ level to be maintained in RAS is

1. <20 mg/L
2. 20-30 mg/L
3. 30-50 mg/L
4. 50-100 mg/L

Options :

19088958845. 1

19088958846. 2

19088958847. 3

19088958848. 4

Question Number : 78 Question Id : 19088914739 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Ammonia diffuses from water to the atmosphere especially when pH is

1. <5
2. 6-7
3. 7-8
4. >8

Options :

19088958849. 1

19088958850. 2

19088958851. 3

19088958852. 4

Question Number : 79 Question Id : 19088914740 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

One milligram per liter of alum consumes the total alkalinity of about

1. 0.5 mg/L
2. 1 mg/L
3. 5 mg/L
4. 10 mg/L

Options :

- 19088958853. 1
- 19088958854. 2
- 19088958855. 3
- 19088958856. 4

Question Number : 80 Question Id : 19088914741 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Nitrite toxicity can be checked in freshwater ponds by the application of

- 1. Chloride ion
- 2. Calcium ion
- 3. Magnesium ion
- 4. Aluminium ion

Options :

- 19088958857. 1
- 19088958858. 2
- 19088958859. 3
- 19088958860. 4

Question Number : 81 Question Id : 19088914742 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The copulation in blue swimmer crab involves

- 1. Soft-shelled female and soft-shelled male
- 2. Soft-shelled female and hard-shelled male
- 3. Hard-shelled female and hard-shelled male
- 4. Hard-shelled female and soft-shelled male

Options :

- 19088958861. 1
- 19088958862. 2
- 19088958863. 3

19088958864. 4

Question Number : 82 Question Id : 19088914743 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: The cow dung is used as a manure in fish culture ponds mainly to produce zooplanktons.

Reason R: IMCs are good filter feeders.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958865. 1

19088958866. 2

19088958867. 3

19088958868. 4

Question Number : 83 Question Id : 19088914744 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The spawning fecundity of *Channa striata* is

1. 5000-8000 eggs/kg weight of female
2. 10000-15000 eggs/kg weight of female
3. 30000-50000 eggs/kg weight of female
4. 25000-30000 eggs/kg weight of female

Options :

19088958869. 1

19088958870. 2

19088958871. 3

19088958872. 4

**Question Number : 84 Question Id : 19088914745 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Share of the fisheries sector to the National GVA during the year 2019-20 is

1. 1.2 %
2. 0.75 %
3. 0.85 %
4. 1.8 %

Options :

19088958873. 1

19088958874. 2

19088958875. 3

19088958876. 4

**Question Number : 85 Question Id : 19088914746 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Climbing perch attains maturity in

1. 5-6 months
2. 9-10 months
3. 12-15 months
4. 15-18 months

Options :

19088958877. 1

19088958878. 2

19088958879. 3

19088958880. 4

Question Number : 86 Question Id : 19088914747 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

For induced spawning of Asian seabass, females selected have ova size

1. >0.250 mm
2. >0.350 mm
3. >0.450 mm
4. >0.650 mm

Options :

19088958881. 1

19088958882. 2

19088958883. 3

19088958884. 4

Question Number : 87 Question Id : 19088914748 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following fishes lay demersal eggs?

1. *Channa striata*
2. *Lates calcarifer*
3. *Anabas testudineus*
4. *Labeo dussumieri*

Options :

19088958885. 1

19088958886. 2

19088958887. 3

19088958888. 4

Question Number : 88 Question Id : 19088914749 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Freshly spawned eggs of Silver Pampano measures

1. 1500-1600 μm
2. 1000-1200 μm
3. 900-1000 μm
4. 500-600 μm

Options :

19088958889. 1

19088958890. 2

19088958891. 3

19088958892. 4

Question Number : 89 Question Id : 19088914750 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The preferred stocking density of orange spotted grouper in RAS is

1. 3.0 Kg/m^3
2. 0.5 Kg/m^3
3. 1.0 Kg/m^3
4. 2.5 Kg/m^3

Options :

19088958893. 1

19088958894. 2

19088958895. 3

19088958896. 4

Question Number : 90 Question Id : 19088914751 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The colour of fertilized eggs of rainbow trout is

1. Lemon-yellow
2. Brownish
3. Light orange
4. Deep orange

Options :

- 19088958897. 1
- 19088958898. 2
- 19088958899. 3
- 19088958900. 4

Question Number : 91 Question Id : 19088914752 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Ideal salinity required for the larval rearing of *Macrobrachium rosenbergii* is

- 1. 10-12 ppt
- 2. 14-16 ppt
- 3. 8-10 ppt
- 4. 16-18 ppt

Options :

- 19088958901. 1
- 19088958902. 2
- 19088958903. 3
- 19088958904. 4

Question Number : 92 Question Id : 19088914753 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is known as Kuruma shrimp?

- 1. *Penaeus merguensis*
- 2. *P. japonicas*
- 3. *P. semisulcatus*
- 4. *P. monodon*

Options :

- 19088958905. 1
- 19088958906. 2
- 19088958907. 3

19088958908. 4

Question Number : 93 Question Id : 19088914754 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

How many zoeal larval stages does *Scylla serrata* have?

1. 4
2. 5
3. 6
4. 3

Options :

19088958909. 1

19088958910. 2

19088958911. 3

19088958912. 4

Question Number : 94 Question Id : 19088914755 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 3 days old spawn of rohu measures

1. 3-4 mm
2. 7-8 mm
3. 5-6 mm
4. 8-10 mm

Options :

19088958913. 1

19088958914. 2

19088958915. 3

19088958916. 4

Question Number : 95 Question Id : 19088914756 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The optimal dose of HCG hormone for induced breeding of striped murrel is

1. Female-2000 IU and Male-1500 IU
2. Female-1000 IU and Male-500 IU
3. Female-500 IU and Male-250 IU
4. Female-750 IU and Male-500 IU

Options :

19088958917. 1

19088958918. 2

19088958919. 3

19088958920. 4

**Question Number : 96 Question Id : 19088914757 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

The ideal stocking density of IMC spawn in earthen nursery ponds is

1. 1-3 million/ha.
2. 10-15 million/ha.
3. 5-10 million/ha.
4. 10-20 million/ha.

Options :

19088958921. 1

19088958922. 2

19088958923. 3

19088958924. 4

**Question Number : 97 Question Id : 19088914758 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

The State Fish of Bihar is

1. Pengba
2. Magur
3. Anabas
4. Singhi

Options :

19088958925. 1

19088958926. 2

19088958927. 3

19088958928. 4

Question Number : 98 Question Id : 19088914759 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fecundity of snow trout is

1. 16000-18000 eggs/kg weight of female
2. 22000-24000 eggs/kg weight of female
3. 10000-12000 eggs/kg weight of female
4. 6000-10000 eggs/kg weight of female

Options :

19088958929. 1

19088958930. 2

19088958931. 3

19088958932. 4

Question Number : 99 Question Id : 19088914760 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

How long are Magur females stripped post hormone injection?

1. 12-13 hours
2. 8-10 hours
3. 16-17 hours
4. 18-20 hours

Options :

19088958933. 1

19088958934. 2

19088958935. 3

19088958936. 4

Question Number : 100 Question Id : 19088914761 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The primary physical factor that helps in initiating spawning of IMCs is

1. Water circulation
2. Temperature
3. Alkalinity
4. Dissolved oxygen

Options :

19088958937. 1

19088958938. 2

19088958939. 3

19088958940. 4

Question Number : 101 Question Id : 19088914762 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one of the following groups of bacteria is commonly used as probiotic bacteria in fish culture?

1. Vibrio
2. Acinetobacter
3. Bacillus
4. Pseudomonas

Options :

19088958941. 1

19088958942. 2

19088958943. 3

19088958944. 4

Question Number : 102 Question Id : 19088914763 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If 4 g of NaOH is dissolved in one liter of water, what will be the strength of the solution?

1. 1 N
2. 0.1 N
3. 0.01 N
4. 10 N

Options :

19088958945. 1

19088958946. 2

19088958947. 3

19088958948. 4

Question Number : 103 Question Id : 19088914764 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the larval feeding of fish and shellfish, which one of the following is considered most important with respect to live feed

1. Size
2. Nutrition
3. Movement
4. Species

Options :

19088958949. 1

19088958950. 2

19088958951. 3

19088958952. 4

**Question Number : 104 Question Id : 19088914765 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Coastal Aquaculture Authority (CAA) was established in

1. 2005
2. 2004
3. 2006
4. 2002

Options :

19088958953. 1

19088958954. 2

19088958955. 3

19088958956. 4

**Question Number : 105 Question Id : 19088914766 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

The cage culture was attempted for the first time in India for

1. Carps
2. Trouts
3. Air-breathing fishes
4. Mulletts

Options :

19088958957. 1

19088958958. 2

19088958959. 3

19088958960. 4

Question Number : 106 Question Id : 19088914767 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The recent innovation, open sea cage mooring is done with the introduction of a very strong material and there is no need of metal shackles and rings for connection to floats. What is the name of the material?

1. Steel
2. Polyamide
3. Dyneema
4. Rubber

Options :

19088958961. 1

19088958962. 2

19088958963. 3

19088958964. 4

Question Number : 107 Question Id : 19088914768 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The scientific name of the Indian rosy barb is

1. *Puntius conchoni*
2. *Esomus barbatus*
3. *P. fasciatus*
4. *P. filamentosus*

Options :

19088958965. 1

19088958966. 2

19088958967. 3

19088958968. 4

Question Number : 108 Question Id : 19088914769 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following fishes is an egg depositor?

1. Rasbora
2. Gold fish
3. Zebra fish
4. Danio

Options :

19088958969. 1

19088958970. 2

19088958971. 3

19088958972. 4

Question Number : 109 Question Id : 19088914770 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The development of pure culture of which species had led to the first successful rearing of *Penaeus japonicas*?

1. *Skeletonema costatum*
2. *Artemia spp*
3. *Brachionus plicatilis*
4. *Isochrysis galbana*

Options :

19088958973. 1

19088958974. 2

19088958975. 3

19088958976. 4

Question Number : 110 Question Id : 19088914771 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The size of a freshly hatched *Artemia nauplii* is

1. 150-250 μm
2. 250-400 μm
3. 400-500 μm
4. 600-700 μm

Options :

19088958977. 1

19088958978. 2

19088958979. 3

19088958980. 4

Question Number : 111 Question Id : 19088914772 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Crustacean has less developed acquired immune system in comparison to fish.

Reason R: Fishes are cold blooded animals.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958981. 1

19088958982. 2

19088958983. 3

19088958984. 4

Question Number : 112 Question Id : 19088914773 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Murrels can tolerate low dissolved oxygen level in water and hence it could be a promising candidate fish for climate resilient aquaculture.

Reason R: Murrels are air breathing fishes, which can withstand varied environmental conditions.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088958985. 1

19088958986. 2

19088958987. 3

19088958988. 4

**Question Number : 113 Question Id : 19088914774 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 |
|-----------------|---------------------|
| (Fishes) | (Properties) |
| A. Mrigal | I. Insectivores |
| B. Snakehead | II. Planktophagus |
| C. Anabas | III. Piscivores |
| D. Silver carp | IV. Detritivores |

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

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

Options :

19088958989. 1

19088958990. 2

19088958991. 3

19088958992. 4

**Question Number : 114 Question Id : 19088914775 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 |
|-----------------------|--------------------------|
| (Research Institutes) | (Technologies developed) |
| A. ICAR-CIBA | I. Jayanti rohu |
| B. ICAR-CIFA | II. Seabass culture |
| C. ICAR-CMFRI | III. Grouper culture |
| D. ICAR-DCFR | IV. Trout culture |

Choose the correct answer from the options given below:

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

Options :

19088958993. 1

19088958994. 2

19088958995. 3

19088958996. 4

Question Number : 115 Question Id : 19088914776 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

SPR shrimps are produced through

1. Community breeding
2. High bio-secure facility
3. Selective breeding
4. RAS

Options :

19088958997. 1

19088958998. 2

19088958999. 3

19088959000. 4

Question Number : 116 Question Id : 19088914777 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following limes is preferred for soil treatment during pond preparation?

1. CaCO_3
2. Ca(OH)_2
3. CaO
4. $\text{CaMg(CO}_3)_2$

Options :

19088959001. 1

19088959002. 2

19088959003. 3

19088959004. 4

Question Number : 117 Question Id : 19088914778 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The size of nanoplankton is

1. 200-2000 μm
2. 20-200 μm
3. $< 2 \mu\text{m}$
4. 2-20 μm

Options :

19088959005. 1

19088959006. 2

19088959007. 3

19088959008. 4

Question Number : 118 Question Id : 19088914779 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In 1957, the first induced breeding of *Cirrhinus reba* was done at

1. Cuttack, Odisha
2. Angul, Odisha
3. Midnapur, West Bengal
4. North Pargana, West Bengal

Options :

19088959009. 1

19088959010. 2

19088959011. 3

19088959012. 4

Question Number : 119 Question Id : 19088914780 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

For induced breeding, the pituitary glands of which fish can be collected round the year ?

1. Catla
2. Magur
3. Common carp
4. Rohu

Options :

19088959013. 1

19088959014. 2

19088959015. 3

19088959016. 4

Question Number : 120 Question Id : 19088914781 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the nursery rearing of carp spawn, maximum loss is caused by

1. Hemiptera
2. Coleoptera
3. Hymeroptera
4. Diptera

Options :

19088959017. 1

19088959018. 2

19088959019. 3

19088959020. 4