

National Testing Agency

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FISHERIES SCIENCES

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FISHERIES SCIENCES -1

Section Id :	190889137
Section Number :	1
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Sub-Section Number :	1
Sub-Section Id :	190889177
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 1908896862 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The scientific name of baby clam is

1. *Villorita cyprinoides*
2. *Paphia malabarica*
3. *Marcia opima*
4. *Meritrix casta*

Options :

19088927341. 1

19088927342. 2

19088927343. 3

19088927344. 4

Question Number : 2 Question Id : 1908896863 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Groupers	I. Lutjanidae
B. Snappers	II. Nemipteridae
C. Pigface brems	III. Serranidae
D. Threadfin brems	IV. Lethrinidae

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

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

Options :

19088927345. 1

19088927346. 2

19088927347. 3

19088927348. 4

Question Number : 3 Question Id : 1908896864 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Options :

- 19088927349. 1
- 19088927350. 2
- 19088927351. 3
- 19088927352. 4

Question Number : 4 Question Id : 1908896865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following species of sea turtle largely distributed in the state of Odisha

- 1. *Lepidochelys olivacea*
- 2. *Caretta caretta*
- 3. *Dermochelys coriacea*
- 4. *Eretmochelys imbricata*

Options :

- 19088927353. 1
- 19088927354. 2
- 19088927355. 3
- 19088927356. 4

Question Number : 5 Question Id : 1908896866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The coast which produces maximum catch of lesser sardines in India

- 1. Northeast coast
- 2. Southeast coast
- 3. Southwest coast
- 4. Northwest coast

Options :

- 19088927357. 1
- 19088927358. 2

19088927360. 4

Question Number : 6 Question Id : 1908896867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The spider shells belong to the family

1. Strombidae
2. Cassiidae
3. Muricidae
4. Cypraeidae

Options :

19088927361. 1

19088927362. 2

19088927363. 3

19088927364. 4

Question Number : 7 Question Id : 1908896868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is INCORRECTLY matched?

1. Mantis shrimps – Stomatopoda
2. Clam shrimps – Diplostraca
3. Fairy shrimps – Euphausiacea
4. Tadpole shrimps – Notostraca

Options :

19088927365. 1

19088927366. 2

19088927367. 3

19088927368. 4

Question Number : 8 Question Id : 1908896869 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Arrange the following chronologically from the earliest to latest years of their introductions

A. Convention on Biological Diversity

B. Indian Fisheries Act

C. Bonn Convention

D. Ramsar convention

E. UNCLOS

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

1. A, C, B, E, D
2. B, E, A, C, D
3. B, D, C, E, A
4. A, B, D, C, E

Options :

19088927369. 1

19088927370. 2

19088927371. 3

19088927372. 4

Question Number : 9 Question Id : 1908896870 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is one of the tributaries of the River Godavari

1. Amaravati
2. Indravati
3. Tungabhadra
4. Noiyl

Options :

19088927373. 1

19088927374. 2

19088927375. 3

19088927376. 4

Question Number : 10 Question Id : 1908896871 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The dominant gear to catch seer fishes along the Indian coast?

1. Gill net
2. Trawl net
3. Purse seine
4. Hook and Line

Options :

19088927377. 1

19088927378. 2

19088927379. 3

19088927380. 4

Question Number : 11 Question Id : 1908896872 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

State fish of Manipur is

1. *Clarias batrachus*
2. *Neolissochilus hexagonolepis*
3. *Osteobrama belangeri*
4. *Ompok bimaculatus*

Options :

19088927381. 1

19088927382. 2

19088927383. 3

19088927384. 4

Question Number : 12 Question Id : 1908896873 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Nidamental gland helps in

1. Secretion of seminal fluid
2. Secretion of egg case
3. Smoltification
4. Secretion of digestive enzymes

Options :

19088927385. 1

19088927386. 2

19088927387. 3

19088927388. 4

Question Number : 13 Question Id : 1908896874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following hormone is secreted by neurohypophysis of pituitary gland?

1. Prolactin
2. Somatotropin
3. Vasopressin
4. Gonadotropin hormone

Options :

19088927389. 1

19088927390. 2

19088927391. 3

19088927392. 4

Question Number : 14 Question Id : 1908896875 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Arrange the following endocrine organs of a teleost based on location starting from anterior to posterior end

- A. Corpuscle of Stannius
- B. Chromaffin tissue
- C. Urohypophysis
- D. Thyroid
- E. Pineal

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

- 1. D, A, C, E, B
- 2. A, C, B, E, D
- 3. D, E, B, A, C
- 4. E, D, A, C, B

Options :

19088927393. 1

19088927394. 2

19088927395. 3

19088927396. 4

Question Number : 15 Question Id : 1908896876 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

An important tool used in fisheries management for describing fish stocks in relation to exploitation

- 1. Carrying capacity
- 2. Maximum sustainable yield
- 3. Virgin biomass
- 4. Open access equilibrium

Options :

19088927397. 1

19088927398. 2

19088927399. 3

19088927400. 4

Question Number : 16 Question Id : 1908896877 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

An uniform ban on fishing by all fishing vessels in the EEZ beyond territorial waters is imposed along the East coast for the year 2021 is from

1. 1st April to 31st May
2. 15th April to 14th June
3. 1st May to 30th June
4. 1st June to 31st July

Options :

19088927401. 1

19088927402. 2

19088927403. 3

19088927404. 4

Question Number : 17 Question Id : 1908896878 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Bhattacharya (1967)	I. Length based cohort analysis
B. Alagaraja (1984)	II. Separation of cohort
C. Beverton and Holt (1956)	III. Relative response model
D. Jones (1984)	IV. Yield per recruit model

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

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

Options :

19088927405. 1

19088927406. 2

19088927407. 3

19088927408. 4

Question Number : 18 Question Id : 1908896879 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A batch of fish, all approximately the same age belonging to the same stock is referred to as

1. Species
2. Population
3. Cohort
4. Virtual population

Options :

19088927409. 1

19088927410. 2

19088927411. 3

19088927412. 4

Question Number : 19 Question Id : 1908896880 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Whiteleg shrimp, *Penaeus vannamei* is native to the

1. Eastern Atlantic ocean
2. Western Atlantic ocean
3. Eastern Pacific ocean
4. Western Pacific ocean

Options :

19088927413. 1

19088927414. 2

19088927415. 3

19088927416. 4

Question Number : 20 Question Id : 1908896881 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Carp fishery of the river Narmada is chiefly constituted by two species, namely

1. *Tor tor* and *Labeo kontius*
2. *Tor tor* and *Labeo fimbriatus*
3. *Tor putitora* and *Labeo kontius*
4. *Tor putitora* and *Labeo fimbriatus*

Options :

19088927417. 1

19088927418. 2

19088927419. 3

19088927420. 4

Question Number : 21 Question Id : 1908896882 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

For a population census of 100 fish having 40:60 (male:female) ratio, genetically effective population will be

1. 100
2. 96
3. 200
4. 48

Options :

19088927421. 1

19088927422. 2

19088927423. 3

19088927424. 4

Question Number : 22 Question Id : 1908896883 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If the food item does not occur in the fish stomach, but occurs in the environment where the fish lives, then electivity index will be

1. Zero
2. 0.5
3. 1.0
4. -1.0

Options :

19088927425. 1

19088927426. 2

19088927427. 3

19088927428. 4

Question Number : 23 Question Id : 1908896884 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Maximum catch to the total marine fish landings in India is contributed by

1. Demersal finfish
2. Pelagic finfish
3. Crustaceans
4. Elasmobranchs

Options :

19088927429. 1

19088927430. 2

19088927431. 3

19088927432. 4

Question Number : 24 Question Id : 1908896885 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Anchovies are

1. Detritivores
2. Planktivores
3. Piscivores
4. Cannibalsites

Options :

19088927433. 1

19088927434. 2

19088927435. 3

19088927436. 4

Question Number : 25 Question Id : 1908896886 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Most of the marine invertebrates are osmoconformers

Statement II: Osmoconformers are organisms that have physiological mechanisms to control the salt content of their internal fluid.

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

19088927437. 1

19088927438. 2

19088927439. 3

19088927440. 4

Question Number : 26 Question Id : 1908896887 Question Type : MCQ Option Shuffling : No Is

Correct Marks : 4 Wrong Marks : 1

Beta-taxonomy deals with

1. Naming and characterization of species
2. Establishing intraspecific variations
3. Study of evolutionary regime
4. Arrangement of species into natural system of classification

Options :

19088927441. 1

19088927442. 2

19088927443. 3

19088927444. 4

Question Number : 27 Question Id : 1908896888 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Atolls are found in which region of Indian waters?

1. Andaman and Nicobar Islands
2. Gulf of Mannar
3. Gulf of Kutch
4. Lakshadweep Islands

Options :

19088927445. 1

19088927446. 2

19088927447. 3

19088927448. 4

Question Number : 28 Question Id : 1908896889 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Series of successive whorls in gastropod shell exception of the body whorl

1. Apex
2. Umbilicus
3. Spire
4. Varix

Options :

19088927449. 1

19088927450. 2

19088927451. 3

19088927452. 4

Question Number : 29 Question Id : 1908896890 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Sharks achieve buoyancy by means of

1. Gas bladder
2. Air sac
3. Large fat-filled liver
4. Blubber

Options :

19088927453. 1

19088927454. 2

19088927455. 3

19088927456. 4

Question Number : 30 Question Id : 1908896891 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Haepatopancreatic Acute Necrosis Disease otherwise called as

1. Running mortality syndrome
2. Early mortality syndrome
3. White faeces syndrome
4. Loose shell syndrome

Options :

19088927457. 1

19088927458. 2

19088927459. 3

19088927460. 4

Question Number : 31 Question Id : 1908896892 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fresh water fish Pacu is also commonly called as

1. Magur
2. Singhi
3. Roopchand
4. Butter catfish

Options :

19088927461. 1

19088927462. 2

19088927463. 3

19088927464. 4

Question Number : 32 Question Id : 1908896893 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: Global fish production (2018) as per the FAO is 179 mmt

Reason R: Out of which Aquaculture production is 52 mmt

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 :

19088927465. 1

19088927466. 2

19088927467. 3

19088927468. 4

Question Number : 33 Question Id : 1908896894 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Valliculture refers to which type of aquaculture

1. Open seas
2. Mangrove areas
3. Swampy areas
4. Coastal lagoons

Options :

19088927469. 1

19088927470. 2

19088927471. 3

19088927472. 4

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The fish, *Schizothorax richardsonii* is considered as a

1. Eurythermal fish
2. Stenothermal fish
3. Anadromous fish
4. Catadromous fish

Options :

19088927473. 1

19088927474. 2

19088927475. 3

19088927476. 4

Question Number : 35 Question Id : 1908896896 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The following popular fish was first stocked by Sir H Ramsay in the lakes of Kumaon hills around 1858

1. Common carp
2. Catla
3. Trout
4. Mahseer

Options :

19088927477. 1

19088927478. 2

19088927479. 3

19088927480. 4

Question Number : 36 Question Id : 1908896897 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Carps form mainstay of Indian aquaculture contributing to over ----- of the total aquaculture production

1. 50%
2. 85%
3. 60%
4. 40%

Options :

19088927481. 1

19088927482. 2

19088927483. 3

19088927484. 4

Question Number : 37 Question Id : 1908896898 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Nursery phase of major carps refer to rearing of 4 day old spawn (5-6 mm) in ponds for a period of

1. 20-30 days
2. 30-45 days
3. 8-12 days
4. 15-20 days

Options :

19088927485. 1

19088927486. 2

19088927487. 3

19088927488. 4

Question Number : 38 Question Id : 1908896899 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: In the Indian freshwater aquaculture Catla is a predominantly farmed fish

Reason R: Catla do not have great export overseas market

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 :

19088927489. 1

19088927490. 2

19088927491. 3

19088927492. 4

Question Number : 39 Question Id : 1908896900 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Pangas is a commercially important fish in India

Statement II: Pangasius pangasius is the only species of the genus Pangasius found in Indian waters

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

19088927493. 1

19088927494. 2

19088927495. 3

19088927496. 4

Question Number : 40 Question Id : 1908896901 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Wallago attu belongs to which one of the following family

1. Cyprinidae
2. Bagridae
3. Claridae
4. Siluridae

Options :

19088927497. 1

19088927498. 2

19088927499. 3

19088927500. 4

Question Number : 41 Question Id : 1908896902 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Floating feeds are very popular in the farming of which of the following species

1. *Litopenaeus vannamei*
2. *Cyprinus carpio*
3. *Ictalurus punctatus*
4. *Scilla serrata*

Options :

19088927501. 1

19088927502. 2

19088927503. 3

19088927504. 4

Question Number : 42 Question Id : 1908896903 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the recent years, it is believed that human health benefit is derived by consumption of fish, due to

1. Presence of high protein
2. Presence of long chain PUFA
3. Presence of cholesterol
4. Presence of minerals

Options :

19088927505. 1

19088927506. 2

19088927507. 3

19088927508. 4

Question Number : 43 Question Id : 1908896904 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Cholesterol is a type of lipid, which can be synthesized in the body, but following animals require cholesterol in the diet

1. Carps
2. Cat fishes
3. Shrimps
4. Molluscs

Options :

19088927509. 1

19088927510. 2

19088927511. 3

19088927512. 4

Question Number : 44 Question Id : 1908896905 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Given below are two statements

Statement I: There exists a high co-relation between dietary amino acid requirements of fish and body compositions of amino acids

Statement II: Research data obtained suggest that essential amino acid requirements of Catla, Rohu and Mrigal do not vary much

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

19088927513. 1

19088927514. 2

19088927515. 3

19088927516. 4

Question Number : 45 Question Id : 1908896906 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Valine is an essential amino acid for fish

Statement II: Arginine is a non-essential amino acid

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

19088927517. 1

19088927519. 3

19088927520. 4

Question Number : 46 Question Id : 1908896907 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: Extruded fish feeds are manufactured at high temperature

Reason R: Extruded feeds are manufactured at low pressure

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 :

19088927521. 1

19088927522. 2

19088927523. 3

19088927524. 4

Question Number : 47 Question Id : 1908896908 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following element plays a major role in blood clotting, muscle function and nerve impulse transmission?

1. Phosphorus
2. Sodium
3. Magnesium
4. Calcium

Options :

19088927525. 1

19088927526. 2

19088927527. 3

19088927528. 4

Question Number : 48 Question Id : 1908896909 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
A. Essential amino acid	I. Phosphorus
B. Highly unsaturated fatty acid	II. Ascorbic acid
C. Involved in energy transformation	III. Docosa hexaenoic acid
D. Excess amount is added in the diet due to its unstability	IV. Histidine

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

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

Options :

19088927529. 1

19088927530. 2

19088927531. 3

19088927532. 4

Question Number : 49 Question Id : 1908896910 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one of the following fish is a genetically improved through selective breeding

1. Mrigal
2. Tilapia
3. Magur
4. Pangasius

Options :

19088927533. 1

19088927534. 2

19088927535. 3

19088927536. 4

Question Number : 50 Question Id : 1908896911 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Indian major carps were successfully bred incaptivity for the first time in India by using the following

1. Feed manipulation
2. Water quality management
3. HCG
4. Hyphophysation technique

Options :

19088927537. 1

19088927538. 2

19088927539. 3

19088927540. 4

Question Number : 51 Question Id : 1908896912 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The technology used for production of monoclonal antibodies is called

1. Glaucoma
2. Melanoma
3. Hybridoma
4. Myeloma

Options :

19088927541. 1

19088927542. 2

19088927543. 3

19088927544. 4

Question Number : 52 Question Id : 1908896913 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

All female population of fish seed can be produced by

1. Androgenesis
2. By using methyl testosterone
3. Gynogenesis
4. Triploidy

Options :

19088927545. 1

19088927546. 2

19088927547. 3

19088927548. 4

Question Number : 53 Question Id : 1908896914 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the breeding of Indian major carps, which of the following type is used commonly

1. Circular hatchery
2. Rectangular hatchery
3. Diagonal hatchery
4. Square hatchery

Options :

19088927549. 1

19088927550. 2

19088927551. 3

19088927552. 4

Question Number : 54 Question Id : 1908896915 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Polyploidy refers to

1. A chromosome which has replicated but not divided
2. Multiple ribosomes present on a single mRNA
3. An individual with complete extra sets of chromosomes
4. Extra copies of a gene adjacent to each other on a chromosome

Options :

19088927553. 1

19088927554. 2

19088927555. 3

19088927556. 4

Question Number : 55 Question Id : 1908896916 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

White spot disease syndrome has caused a great set back to the following shellfish predominantly

1. Indian white shrimp
2. Crab
3. Freshwater prawn
4. Tiger shrimp

Options :

19088927557. 1

19088927558. 2

19088927559. 3

19088927560. 4

Question Number : 56 Question Id : 1908896917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Epizootic Ulcerative Syndrome (EUS) was seen more predominantly in the following group

1. Carp
2. Seabass
3. Freshwater prawn
4. Shrimp

Options :

19088927561. 1

19088927562. 2

19088927563. 3

19088927564. 4

Question Number : 57 Question Id : 1908896918 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The white spot disease is a common disease of freshwater carps and is caused by

1. *Trichodina sp*
2. *Costia necatrix*
3. *Icthyophthirius multifiliis*
4. *Mixobolus catlae*

Options :

19088927565. 1

19088927566. 2

19088927567. 3

19088927568. 4

Question Number : 58 Question Id : 1908896919 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Reservoirs in India are under-utilized for fish production

Statement II: Cage culture of carps is possible in reservoirs

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

19088927569. 1

19088927570. 2

19088927571. 3

19088927572. 4

Question Number : 59 Question Id : 1908896920 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 : *Lernea* is a common parasite of carps

Reason R : *Lernea* is an endoparasite and found inside the body of fish

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

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

Options :

19088927573. 1

19088927574. 2

19088927575. 3

19088927576. 4

Question Number : 60 Question Id : 1908896921 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. <i>Aeromonas hydrophila</i>	I. Trouts
B. <i>Vibrio anguillarum</i>	II. Scampy
C. <i>Whirling disease</i>	III. Haemorrhagic septicemia
D. <i>White tail disease</i>	IV. Vibriosis

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

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

Options :

19088927577. 1

19088927578. 2

19088927579. 3

19088927580. 4

Question Number : 61 Question Id : 1908896922 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
A. Marginal weed	I. <i>Vallisneria</i>
B. Submerged weed	II. <i>Eichhornia</i>
C. Floating weed	III. <i>Scirpus</i>
D. Water hyacinth	IV. <i>Lemna</i>

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

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

Options :

19088927581. 1

19088927582. 2

19088927583. 3

19088927584. 4

Question Number : 62 Question Id : 1908896923 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The phenomenon of bioluminescence is found mainly in the following zone

1. Mesopelagic zone
2. Bathypelagic zone
3. Benthic zone
4. Epilimnion zone

Options :

19088927585. 1

19088927586. 2

19088927587. 3

19088927588. 4

Question Number : 63 Question Id : 1908896924 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

An indicator of faecal pollution is

1. Salmonella
2. Escherichia coli
3. Streptococcus
4. Staphylococcus

Options :

19088927589. 1

19088927590. 2

19088927591. 3

19088927592. 4

Question Number : 64 Question Id : 1908896925 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The most widely accepted water quality criterion for measuring the organic pollution is

1. Chloroform
2. Ammonia
3. BOD
4. COD

Options :

19088927593. 1

19088927594. 2

19088927595. 3

19088927596. 4

Question Number : 65 Question Id : 1908896926 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Source of calcareous ooze in the sea bottom

1. Glaciers
2. Precipitation of dissolved nutrients
3. Radiolarians
4. Coccolithophores

Options :

19088927597. 1

19088927598. 2

19088927599. 3

19088927600. 4

Question Number : 66 Question Id : 1908896927 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. North Atlantic gyre	I. Turtle
B. South Atlantic gyre	II. Columbus
C. North Pacific gyre	III. Heyerdahl
D. South Pacific gyre	IV. <i>Navigator</i>

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

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

Options :

19088927601. 1

19088927602. 2

19088927603. 3

19088927604. 4

Question Number : 67 Question Id : 1908896928 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fiddler crab is the inhabitant of

1. Upper stretches of river
2. Mud flat
3. Rocky shore
4. Deep sea cave

Options :

19088927605. 1

19088927606. 2

19088927607. 3

19088927608. 4

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Lake showing rare circulation periods at irregular intervals are categorized by

1. Cold monomictic lakes
2. Warm monomictic lakes
3. Polymictic lakes
4. Oligomictic lakes

Options :

19088927609. 1

19088927610. 2

19088927611. 3

19088927612. 4

Question Number : 69 Question Id : 1908896930 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following pigments are present in Phaeophyta?

- A. Chlorophyll a
- B. Chlorophyll c
- C. r-phycoerythrin
- D. Fucoxanthin
- E. r-phycoerythrin

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

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

Options :

19088927613. 1

19088927614. 2

19088927615. 3

19088927616. 4

Question Number : 70 Question Id : 1908896931 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The dry, gently sloping region at the foot of the coastal cliffs and dunes is known as

1. Beach face
2. Shore
3. Berm
4. Notch

Options :

19088927617. 1

19088927618. 2

19088927619. 3

19088927620. 4

Question Number : 71 Question Id : 1908896932 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Of all the human-caused gases, which one of the following make the greatest relative contribution to increasing

1. Methane
2. Nitrous oxide
3. Carbon dioxide
4. Chloroflurocarbon

Options :

19088927621. 1

19088927622. 2

19088927623. 3

19088927624. 4

Question Number : 72 Question Id : 1908896933 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

An ideal pollutant is characterized by

1. N/P ratio
2. C/N ratio
3. C/P ratio
4. N/K ratio

Options :

19088927625. 1

19088927626. 2

19088927627. 3

19088927628. 4

Question Number : 73 Question Id : 1908896934 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Suspended solid in an water body is an example of

1. Chemical characteristics of water quality
2. Biological characteristics of water quality
3. Physical characteristics of water quality
4. Both 1 and 2

Options :

19088927629. 1

19088927630. 2

19088927631. 3

19088927632. 4

Question Number : 74 Question Id : 1908896935 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Concentration of 0.01 % is equivalent to how many parts per million (ppm)?

1. 10 ppm
2. 1 ppm
3. 1000 ppm
4. 100 ppm

Options :

19088927633. 1

19088927634. 2

19088927635. 3

19088927636. 4

Question Number : 75 Question Id : 1908896936 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Decomposition of organic nitrogen to ammonium ions is called

1. Nitrification
2. Ammonification
3. Denitrification
4. Nitrogen fixation

Options :

19088927637. 1

19088927638. 2

19088927639. 3

19088927640. 4

Question Number : 76 Question Id : 1908896937 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Options :

- 19088927641. 1
- 19088927642. 2
- 19088927643. 3
- 19088927644. 4

Question Number : 77 Question Id : 1908896938 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The levels of dissolved oxygen in water bodies is usually inversely proportional to

- 1. Light
- 2. Salinity
- 3. Nitrogen
- 4. Temperature

Options :

- 19088927645. 1
- 19088927646. 2
- 19088927647. 3
- 19088927648. 4

Question Number : 78 Question Id : 1908896939 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Organisms which spend their entire lives as plankton are called

- 1. Megaplankton
- 2. Meroplankton
- 3. Holoplankton
- 4. Nekton

Options :

- 19088927649. 1
- 19088927650. 2

19088927652. 4

Question Number : 79 Question Id : 1908896940 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The relationship between sea anemone and clown fish is best be explained as

1. Commensalism
2. Mutualism
3. Parasitism
4. Parasitism

Options :

19088927653. 1

19088927654. 2

19088927655. 3

19088927656. 4

Question Number : 80 Question Id : 1908896941 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Brachiolaria is the larval stage of

1. Sea cucumber
2. Starfish
3. Sea anemone
4. Hermit crab

Options :

19088927657. 1

19088927658. 2

19088927659. 3

19088927660. 4

Question Number : 81 Question Id : 1908896942 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The process of fitting the necessary ropes and accessories to make a fishing net ready for fishing is

1. Reeving
2. Stapling
3. Nor selling
4. Rigging

Options :

19088927661. 1

19088927662. 2

19088927663. 3

19088927664. 4

Question Number : 82 Question Id : 1908896943 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In a fishing method several lines are towed from a boat using outriggers to catch mainly predatory fishes is

1. Drift line
2. Troll lines
3. Set line
4. Hand line

Options :

19088927665. 1

19088927666. 2

19088927667. 3

19088927668. 4

Question Number : 83 Question Id : 1908896944 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The outward curvature of the hull surface of the vessel above the water line is called as

1. Sheer
2. Flare
3. Beam
4. Keel

Options :

19088927669. 1

19088927670. 2

19088927671. 3

19088927672. 4

Question Number : 84 Question Id : 1908896945 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which among the following components of smoke gives rise to the characteristics flavor of the smoked fish

1. Aldehyde
2. Phenol
3. Benzopyrene
4. Acids

Options :

19088927673. 1

19088927674. 2

19088927675. 3

19088927676. 4

Question Number : 85 Question Id : 1908896946 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The sweet taste in fish is caused by

1. Inosine monophosphate
2. Hypoxanthine
3. Lysine
4. Glutamic acid

Options :

19088927677. 1

19088927678. 2

19088927679. 3

19088927680. 4

Question Number : 86 Question Id : 1908896947 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The ends of a normal food can appears as

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

Options :

19088927681. 1

19088927682. 2

19088927683. 3

19088927684. 4

Question Number : 87 Question Id : 1908896948 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The process of removal of air, gasses from the filled food cans before seaming is termed as

1. Exhausting
2. Can seaming
3. Retorting
4. Pre-cooking

Options :

19088927685. 1

19088927686. 2

19088927687. 3

19088927688. 4

Question Number : 88 Question Id : 1908896949 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The following enzyme belongs to the Acyl- transferase group is

1. Hydrolase
2. Oxidase
3. Transglutaminase
4. Reductase

Options :

19088927689. 1

19088927690. 2

19088927691. 3

19088927692. 4

Question Number : 89 Question Id : 1908896950 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Flat sour spoilage of canned food is due to the action of the following bacterium is

1. *Salmonella*
2. *Clostridium botulinum*
3. *Bacillus stearothermophilus*
4. *Bacillus coagulans*

Options :

19088927693. 1

19088927694. 2

19088927695. 3

19088927696. 4

Question Number : 90 Question Id : 1908896951 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The freezer used for freezing of irregular shaped fish is

1. Air blast freezer
2. Plate freezer
3. Cryogenic freezer
4. Tunnel freezer

Options :

19088927697. 1

19088927698. 2

19088927699. 3

19088927700. 4

Question Number : 91 Question Id : 1908896952 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In conduction type of heating packs of a can the slowest heating point lies at

1. Geometric axis of a can
2. Geometric center of a can
3. Near to the seam
4. Below the lid

Options :

19088927701. 1

19088927702. 2

19088927703. 3

19088927704. 4

Question Number : 92 Question Id : 1908896953 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following thermoplastic types is most suitable for the manufacturing of synthetic casings for packing of fish sausage

1. Polypropylene
2. PVDC
3. LDPE
4. HDPE

Options :

19088927705. 1

19088927706. 2

19088927707. 3

19088927708. 4

Question Number : 93 Question Id : 1908896954 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Indole production is an indicative of spoilage in which of the following

1. Crab
2. Shrimp
3. Squid
4. Cuttle fish

Options :

19088927709. 1

19088927710. 2

19088927711. 3

19088927712. 4

Question Number : 94 Question Id : 1908896955 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The following device used to determine the vessel speed at sea is

1. Compass
2. Log
3. GPS
4. Sextant

Options :

19088927713. 1

19088927714. 2

19088927715. 3

19088927716. 4

Question Number : 95 Question Id : 1908896956 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

An ideal spindle shaped sinkers commonly used in purse-seine operation is made up of which of the following

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

Options :

19088927717. 1

19088927718. 2

19088927719. 3

19088927720. 4

Question Number : 96 Question Id : 1908896957 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The term ghost fishing is normally related to which of the following catching method?

1. Lost gill nets
2. Side trawlers
3. Pole and line
4. Hook and line

Options :

19088927721. 1

19088927722. 2

19088927723. 3

19088927724. 4

Question Number : 97 Question Id : 1908896958 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Cast nets come under which of the following group of net classification

1. Lift nets
2. Falling gear
3. Gill nets
4. Traps

Options :

19088927725. 1

19088927726. 2

19088927727. 3

19088927728. 4

Question Number : 98 Question Id : 1908896959 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The liquid liberated by pressing the cooked fish meat during the fish meal and oil production is known as

1. Cook drip
2. Stick water
3. Press liquor
4. Fish solubles

Options :

19088927729. 1

19088927730. 2

19088927731. 3

19088927732. 4

Question Number : 99 Question Id : 1908896960 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Rapid rate of drying of fish makes the surface tough and dry which facilitates the escape water from inner layer is difficult is called as

1. Dehydration
2. Putty hardening
3. Case hardening
4. Pink discoloration

Options :

19088927733. 1

19088927734. 2

19088927735. 3

19088927736. 4

Question Number : 100 Question Id : 1908896961 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The integrated heating effect received by all points inside the food can is termed as

1. TDT value
2. Fo value
3. D value
4. Z value

Options :

19088927737. 1

19088927738. 2

19088927739. 3

19088927740. 4

Question Number : 101 Question Id : 1908896962 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The spoilage of sulfur stinker in canned food is caused by the following

1. *C. botulinum*
2. *C. nigrificans*
3. *B. coagulans*
4. *B. stearothermophilus*

Options :

19088927741. 1

19088927742. 2

19088927743. 3

19088927744. 4

Question Number : 102 Question Id : 1908896963 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
A. Nuoc-Mam	I. Thailand
B. Patis	II. Vietnam
C. Nampla	III. Philippines
D. Budan	IV. Malaysia

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

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

Options :

19088927745. 1

19088927746. 2

19088927747. 3

19088927748. 4

Question Number : 103 Question Id : 1908896964 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
A. N. Appert	I. Canning company
B. Underwood	II. Father of Canning
C. Peter Durand	III. Double seam technology
D. Ames Brothers	IV. Tin Plate technology

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

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

Options :

19088927749. 1

19088927750. 2

19088927751. 3

19088927752. 4

Question Number : 104 Question Id : 1908896965 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is most commonly used system denoting the size of the yarn

1. Metric system
2. Denier system
3. British system
4. Yarn numbering system

Options :

19088927753. 1

19088927754. 2

19088927755. 3

19088927756. 4

Question Number : 105 Question Id : 1908896966 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Toredos	I. Marine fouler
B. Barnacles	II. Marine borer
C. Water proof hull	III. Copper sheathing
D. Hull protection	IV. Caulking

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

Options :

19088927757. 1

19088927758. 2

19088927759. 3

19088927760. 4

Question Number : 106 Question Id : 1908896967 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Low acid foods are normally associated with the botulism

Statement II: Clostridium botulinum is normally associated with the foods which are having low acidity

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

19088927761. 1

19088927762. 2

19088927763. 3

19088927764. 4

Question Number : 107 Question Id : 1908896968 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The bacteriological selective media are used for the isolation and identification of Salmonella from seafood are

- A. BSA
- B. XLD agar
- C. HEA
- D. TCBS
- E. EMB

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

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

Options :

- 19088927765. 1
- 19088927766. 2
- 19088927767. 3
- 19088927768. 4

Question Number : 108 Question Id : 1908896969 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The acetylated form of chitin is known as

1. Chitosan
2. Chitin Powder
3. Glucosamine
4. Hydrolysates

Options :

- 19088927769. 1
- 19088927770. 2
- 19088927771. 3
- 19088927772. 4

Question Number : 109 Question Id : 1908896970 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

The following are the most commonly used cryoprotectant in the manufacture of surimi is

1. Sorbitol
2. Salt
3. Starch
4. Citrate

Options :

19088927773. 1
19088927774. 2
19088927775. 3
19088927776. 4

Question Number : 110 Question Id : 1908896971 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

Fish fetching higher price at market than at the production centre is

1. Form utility
2. Place utility
3. Time utility
4. Pleasure utility

Options :

19088927777. 1
19088927778. 2
19088927779. 3
19088927780. 4

Question Number : 111 Question Id : 1908896972 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

Correlation coefficient is the

1. Sum of byx and bxy
2. Difference of byx and bxy
3. Product of byx and bxy
4. Square root of the product byx and bxy

Options :

19088927781. 1

19088927782. 2

19088927783. 3

19088927784. 4

Question Number : 112 Question Id : 1908896973 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: If the variables are perfectly correlated the regression lines coincide.

Statement II: If the variables are not correlated, the regression lines are parallel to each other.

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

19088927785. 1

19088927786. 2

19088927787. 3

19088927788. 4

Question Number : 113 Question Id : 1908896974 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The sampling design adopted by the ICAR-CMFRI to estimate fish landings is

1. Cluster sampling
2. Stratified sampling
3. Simple random sampling
4. Stratified multistage random sampling

Options :

19088927789. 1

19088927790. 2

19088927791. 3

19088927792. 4

Question Number : 114 Question Id : 1908896975 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

For a moderately skewed distribution, if the difference between mean and mode is 6, then what is the difference between mean and median?

1. 12
2. 6
3. 3
4. Cannot be found out as data is insufficient

Options :

19088927793. 1

19088927794. 2

19088927795. 3

19088927796. 4

Question Number : 115 Question Id : 1908896976 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Distributions with positive kurtosis larger than that of a normal distribution are

1. Mesokurtic
2. Leptokurtic
3. Platykurtic
4. Asymptokurtic

Options :

19088927797. 1

19088927798. 2

19088927799. 3

19088927800. 4

Question Number : 116 Question Id : 1908896977 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Laswell's model is associated with

1. Learning
2. Behaviour
3. Attention
4. Mass communication

Options :

19088927801. 1

19088927802. 2

19088927803. 3

19088927804. 4

Question Number : 117 Question Id : 1908896978 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

An extension teaching method useful to teach the skills is

1. National demonstration
2. Result demonstration
3. Method demonstration
4. Frontline demonstration

Options :

19088927805. 1

19088927806. 2

19088927807. 3

19088927808. 4

Question Number : 118 Question Id : 1908896979 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Extension education may be classified as applied

1. Anthropic science
2. Human science
3. Behavioural science
4. Physical science

Options :

19088927809. 1

19088927810. 2

19088927811. 3

19088927812. 4

Question Number : 119 Question Id : 1908896980 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The elasticity of demand for necessary goods is

1. Inelastic
2. Elastic
3. Perfectly elastic
4. Perfectly inelastic

Options :

19088927813. 1

19088927814. 2

19088927815. 3

19088927816. 4

Question Number : 120 Question Id : 1908896981 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If the price of rohu purchased remain unchanged with changes in the price of catla, then the cross elasticity of demand between two fish species is

1. Positive
2. Zero
3. Negative
4. One

Options :

19088927817. 1

19088927818. 2

19088927819. 3

19088927820. 4