

National Testing Agency

Question Paper Name :	FISHERIES SCIENCES 23rd Sep 2020 Shift 1 Set 2
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FISHERIES SCIENCES

Group Number :	1
Group Id :	21052918
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Group Marks :	480
Is this Group for Examiner? :	No

FISHERIES SCIENCES

Section Id :	21052922
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	120

Number of Questions to be attempted :	120
Section Marks :	480
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	21052922
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 2105292101 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Weberian oscilces, a chain of bony pieces present in a number of teleosts, connect the internal ear with

1. Swim bladder
2. Intestine
3. Kidney
4. Pancreas

Options :

- 2105298401. 1
- 2105298402. 2
- 2105298403. 3
- 2105298404. 4

Question Number : 2 Question Id : 2105292102 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
A. Giant clams	I. Nuculidae
B. Surf clams	II. Veneridae
C. Giant clams	III. Donacidae
D. Nut clams	IV. Tridacnidae

Choose the correct answer from the options given below:

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

Options :

2105298405. 1
2105298406. 2
2105298407. 3
2105298408. 4

Question Number : 3 Question Id : 2105292103 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The scientific name of little tuna is

1. *Katsuwonus pelamis*
2. *Auxis thazard*
3. *Euthynnus affinis*
4. *Thunnus albacares*

Options :

- 2105298409. 1
- 2105298410. 2
- 2105298411. 3
- 2105298412. 4

Question Number : 4 Question Id : 2105292104 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Freshwater teleosts operate hyperosmotically to their surrounding medium

Statement II: Freshwater teleosts produce a large quantity of dilute urine to remove excess water

In the 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 :

- 2105298413. 1
- 2105298414. 2
- 2105298415. 3
- 2105298416. 4

Question Number : 5 Question Id : 2105292105 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Mantis shrimps belong to

1. Decapoda (Crustacea)
2. Mysida
3. Isopoda
4. Stomatopoda

Options :

2105298417. 1
2105298418. 2
2105298419. 3
2105298420. 4

Question Number : 6 Question Id : 2105292106 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Interrupted lateral line and a single nostril on each side of the snout are the characteristics of which of the following family?

1. Nandidae
2. Cichlidae
3. Carangidae
4. Mullidae

Options :

2105298421. 1
2105298422. 2
2105298423. 3
2105298424. 4

Question Number : 7 Question Id : 2105292107 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Two halves of a typical bivalve shell are held dorsally by

1. Adductor muscle
2. Mantle
3. Hinge ligament
4. Refractor muscle

Options :

- 2105298425. 1
- 2105298426. 2
- 2105298427. 3
- 2105298428. 4

Question Number : 8 Question Id : 2105292108 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which river originates from the Deolali hills in Triambakeswar near Nasik?

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

Options :

- 2105298429. 1
- 2105298430. 2
- 2105298431. 3
- 2105298432. 4

Question Number : 9 Question Id : 2105292109 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which region of the Indian coast produces the maximum catch of non-penaeid shrimps?

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

Options :

2105298433. 1
2105298434. 2
2105298435. 3
2105298436. 4

Question Number : 10 Question Id : 2105292110 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Arrange the following in sequence of blood entering and leaving the fish heart

- A. Bulbus arteriosus
- B. Sinus venosus
- C. Ventricle
- D. Atrium

Choose the correct answer from the options given below:

1. A – C – B – D
2. B – D – C – A
3. B – A – C – D
4. D – C – B – A

Options :

2105298437. 1
2105298438. 2
2105298439. 3
2105298440. 4

Question Number : 11 Question Id : 2105292111 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which among the following fishery management practice is NOT in vogue in India?

1. Mesh size regulation
2. Closed area
3. Closed season
4. Quota system

Options :

- 2105298441. 1
- 2105298442. 2
- 2105298443. 3
- 2105298444. 4

Question Number : 12 Question Id : 2105292112 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

An approach to biological classification of fishes based on phylogenetic relationship is known as

1. Meristics
2. Phenetic
3. Taxonomy
4. Cladistics

Options :

- 2105298445. 1
- 2105298446. 2
- 2105298447. 3
- 2105298448. 4

Question Number : 13 Question Id : 2105292113 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following hormones is secreted by the pineal gland in fishes?

1. Melatonin
2. Calcitonin
3. Gonadotropin
4. Oxytocin

Options :

2105298449. 1

2105298450. 2

2105298451. 3

2105298452. 4

Question Number : 14 Question Id : 2105292114 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A copulatory organ present in elasmobranchs

1. Rectal gland
2. Pterygiophore
3. Myxopterygium
4. Gonopodium

Options :

2105298453. 1

2105298454. 2

2105298455. 3

2105298456. 4

Question Number : 15 Question Id : 2105292115 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In fish population dynamics, t_0 (t-zero), one of the growth parameters of VBGF, is defined as

1. Length at zero age
2. Zero age group
3. Initial condition factor
4. Relative condition factor

Options :

2105298457. 1

2105298458. 2

2105298459. 3

2105298460. 4

Question Number : 16 Question Id : 2105292116 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Virtual population of fish denotes

1. Virgin population
2. Absolute population
3. Maximum sustainable population
4. Exploited population

Options :

2105298461. 1

2105298462. 2

2105298463. 3

2105298464. 4

Question Number : 17 Question Id : 2105292117 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Ashtamudi lake is well known for its rich fishery resources of

1. Mussels
2. Mud crab
3. Clams
4. Oysters

Options :

- 2105298465. 1
- 2105298466. 2
- 2105298467. 3
- 2105298468. 4

Question Number : 18 Question Id : 2105292118 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fish catch certificate in India is issued by

1. ICAR-CMFRI
2. Fishery Survey of India
3. Marine Products Exports Development Authority
4. Export Inspection Council

Options :

- 2105298469. 1
- 2105298470. 2
- 2105298471. 3
- 2105298472. 4

Question Number : 19 Question Id : 2105292119 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is an indigenous cold water fish species found in Himalayan region?

1. Rainbow trout
2. Brown trout
3. Snow trout
4. Brook trout

Options :

- 2105298473. 1
- 2105298474. 2
- 2105298475. 3
- 2105298476. 4

Question Number : 20 Question Id : 2105292120 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Blowhole, present in aquatic mammals, helps in

1. Reproduction
2. Echolocation
3. Feeding
4. Respiration

Options :

- 2105298477. 1
- 2105298478. 2
- 2105298479. 3
- 2105298480. 4

Question Number : 21 Question Id : 2105292121 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT a tributary of the Brahmaputra River system?

1. Dihang
2. Gandak
3. Dhansiri
4. Kulsi

Options :

- 2105298481. 1
- 2105298482. 2
- 2105298483. 3
- 2105298484. 4

Question Number : 22 Question Id : 2105292122 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Single largest fish species which supports fishery along the coast of Peru is

1. *Theragra chalcogramma*
2. *Engraulis ringens*
3. *Clupea harengus*
4. *Katsuwonus pelamis*

Options :

- 2105298485. 1
- 2105298486. 2
- 2105298487. 3
- 2105298488. 4

Question Number : 23 Question Id : 2105292123 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which State has the maximum area of Indian mangrove forests?

1. Odisha
2. West Bengal
3. Gujarat
4. Tamil Nadu

Options :

- 2105298489. 1
- 2105298490. 2
- 2105298491. 3
- 2105298492. 4

Question Number : 24 Question Id : 2105292124 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A taxon which is evaluated against the criteria in IUCN Red list, but does not qualify for other categories in the List is known as

1. Near threatened
2. Vulnerable
3. Least Concern
4. Critically endangered

Options :

- 2105298493. 1
- 2105298494. 2
- 2105298495. 3
- 2105298496. 4

Question Number : 25 Question Id : 2105292125 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Ram ventilation is well noticed in

1. Bottom dwelling fishes
2. Fast swimming pelagic fishes
3. Burrowing fishes
4. Slow swimming pelagic fishes

Options :

- 2105298497. 1
- 2105298498. 2
- 2105298499. 3
- 2105298500. 4

Question Number : 26 Question Id : 2105292126 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Harpadon nehereus forms a major single species along coast of

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

Options :

- 2105298501. 1
- 2105298502. 2
- 2105298503. 3
- 2105298504. 4

Question Number : 27 Question Id : 2105292127 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Beverton and Holt's fish stock-recruitment model suggests that the relationship between parent stock and recruitment is

1. Positive linear
2. Negative linear
3. Bell shape
4. Asymptote

Options :

- 2105298505. 1
- 2105298506. 2
- 2105298507. 3
- 2105298508. 4

Question Number : 28 Question Id : 2105292128 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Catch curve is used to estimate

1. Natural mortality
2. Total mortality
3. Optimum catch
4. Optimum recruits

Options :

- 2105298509. 1
- 2105298510. 2
- 2105298511. 3
- 2105298512. 4

Question Number : 29 Question Id : 2105292129 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The proportion of soap : oil in the emulsion used for control of aquatic insects in Carp nurseries is

1. 3:1
2. 1:3
3. 2:3
4. 1:6

Options :

- 2105298513. 1
- 2105298514. 2
- 2105298515. 3
- 2105298516. 4

Question Number : 30 Question Id : 2105292130 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The toxic ingredient present in the Mahua oil cake is

1. Saponin
2. Rotenon
3. Trypsin
4. Mimosine

Options :

- 2105298517. 1
- 2105298518. 2
- 2105298519. 3
- 2105298520. 4

Question Number : 31 Question Id : 2105292131 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The common name used for the fish, *Heteroneustus fossilis* is

1. Magur
2. Butter cat fish
3. Singhi
4. Feather back

Options :

- 2105298521. 1
- 2105298522. 2
- 2105298523. 3
- 2105298524. 4

Question Number : 32 Question Id : 2105292132 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Pituitary glands of which of the following fish were successfully used for induced breeding of Indian major carps?

1. Mullet
2. Feather backs
3. Seabass
4. Marine cat fish

Options :

- 2105298525. 1
- 2105298526. 2
- 2105298527. 3
- 2105298528. 4

Question Number : 33 Question Id : 2105292133 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Induced breeding of Indian Major carps was achieved for the first time in India by

1. S. L. Hora
2. T. V. R. Pillay
3. H. Choudhary and A. H. Alikunhi
4. B. Sunderraj and Khan

Options :

- 2105298529. 1
- 2105298530. 2
- 2105298531. 3
- 2105298532. 4

Question Number : 34 Question Id : 2105292134 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Number of larval stages in the freshwater prawn *M. rosenbergii* is

1. 11
2. 3
3. 6
4. 9

Options :

- 2105298533. 1
- 2105298534. 2
- 2105298535. 3
- 2105298536. 4

Question Number : 35 Question Id : 2105292135 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Best live feed for the larvae of *Macrobrachium rosenbergii* is

1. Copepods
2. Artemia naupli
3. Diatoms
4. Cladocerans

Options :

- 2105298537. 1
- 2105298538. 2
- 2105298539. 3
- 2105298540. 4

Question Number : 36 Question Id : 2105292136 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the natural collection of Indian major carp seed from rivers, the following net was popularly used

1. Castnet
2. Drag net
3. Shooting net
4. Purse seine net

Options :

- 2105298541. 1
- 2105298542. 2
- 2105298543. 3
- 2105298544. 4

Question Number : 37 Question Id : 2105292137 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is an androgen?

1. Estradiol
2. 17 Alpha methyl testosterone
3. Dopamine
4. HCG

Options :

- 2105298545. 1
- 2105298546. 2
- 2105298547. 3
- 2105298548. 4

Question Number : 38 Question Id : 2105292138 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Best live feed for carp spawn in the nurseries is

1. Rotifers
2. Diatoms
3. Spirulina
4. Dinoflagellates

Options :

- 2105298549. 1
- 2105298550. 2
- 2105298551. 3
- 2105298552. 4

Question Number : 39 Question Id : 2105292139 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the polyculture of carps, the maximum production per unit area was achieved by research institutions with the following species combination

1. Catla : Rohu : Mrigal : Silver carp
2. Catla : Rohu : Mrigal : Common carp
3. Catla : Rohu : Mrigal : Common carp : Silver carp : Grass carp
4. Rohu : Mrigal : Silver carp : Grass carp

Options :

- 2105298553. 1
- 2105298554. 2
- 2105298555. 3
- 2105298556. 4

Question Number : 40 Question Id : 2105292140 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the manufacture of floating extruded feeds, which of the following conditions are required?

1. High pressure, low temperature and high moisture
2. High moisture, high temperature and low pressure
3. High temperature, high pressure and high moisture
4. Low pressure, high temperature and low moisture

Options :

- 2105298557. 1
- 2105298558. 2
- 2105298559. 3
- 2105298560. 4

Question Number : 41 Question Id : 2105292141 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the best combination of feed ingredients for the production of cost-effective diets for farming of India major carps in semi-intensive pond based aquaculture

1. Fish meal, ground nut cake, tapioca flour, rice bran, vitamin and mineral mix, cod liver oil
2. Soybean cake, Tapioca flour, rice bran, vitamin and mineral mix, sardine oil
3. Fish meal, soybean cake, ground nut cake, rice flour, vitamin and mineral mix, ground nut oil
4. Groundnut cake, soybean oil, fish meal, wheat bran and vitamin and mineral mix

Options :

- 2105298561. 1
- 2105298562. 2
- 2105298563. 3
- 2105298564. 4

Question Number : 42 Question Id : 2105292142 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The estimated reservoir area available in the country which can be used for fish culture is

1. 3.15 m.ha
2. 5.15 m.ha
3. 1.20 m.ha
4. 9.9 m. ha

Options :

- 2105298565. 1
- 2105298566. 2
- 2105298567. 3
- 2105298568. 4

Question Number : 43 Question Id : 2105292143 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following practice is desirable in the culture of Indian major carps in grow-out ponds?

1. Fertilization and feeding
2. Liming and feeding
3. Liming, fertilization and feeding
4. Liming and fertilization

Options :

2105298569. 1
2105298570. 2
2105298571. 3
2105298572. 4

Question Number : 44 Question Id : 2105292144 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match list I with List II

List I	List II
A. <i>Macrobrachium rosenbergii</i>	I. Exotic fish
B. <i>Oreochromis niloticus</i>	II. White leg shrimp
C. <i>Oreochromis niloticus</i>	III. Scampy
D. <i>Litopenaeus vannamei</i>	IV. Climbing perch

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

Options :

2105298573. 1

2105298574. 2

2105298575. 3

2105298576. 4

Question Number : 45 Question Id : 2105292145 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gonadal maturation of tiger shrimp can be enhanced by removal of

1. Telson
2. Eye stalk
3. Pituitary gland
4. Pancreas

Options :

2105298577. 1

2105298578. 2

2105298579. 3

2105298580. 4

Question Number : 46 Question Id : 2105292146 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

White spot syndrome virus has been more prevalent in which one of the following species?

1. Seabass
2. Indian white shrimp
3. Tiger shrimp
4. White leg shrimp

Options :

2105298581. 1

2105298582. 2

2105298583. 3

2105298584. 4

Question Number : 47 Question Id : 2105292147 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Tiger shrimp normally attains maturity in

1. 5-6 months
2. 10-12 months
3. 6-8 months
4. 14-15 months

Options :

- 2105298585. 1
- 2105298586. 2
- 2105298587. 3
- 2105298588. 4

Question Number : 48 Question Id : 2105292148 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The toxic component Gossypol is usually present in

1. Cotton seeds
2. Soybeans
3. Mustard seeds
4. Ground nut seeds

Options :

- 2105298589. 1
- 2105298590. 2
- 2105298591. 3
- 2105298592. 4

Question Number : 49 Question Id : 2105292149 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In feeds stored in an unhygienic way for long periods, 'Aflatoxins' are produced by

1. *Fusarium* sp
2. *Bacillus* sp
3. *Sacromysin* sp
4. *Aspergillus* sp

Options :

- 2105298593. 1
- 2105298594. 2
- 2105298595. 3
- 2105298596. 4

Question Number : 50 Question Id : 2105292150 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following has been successfully cultured in cages in coastal waters of India in recent years?

1. Salmon
2. Seabream
3. Cobia
4. Pearlsport

Options :

- 2105298597. 1
- 2105298598. 2
- 2105298599. 3
- 2105298600. 4

Question Number : 51 Question Id : 2105292151 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following fish can be cultured both in brackish water and fresh water?

1. Catla
2. Catfish
3. Common carp
4. Seabass

Options :

- 2105298601. 1
- 2105298602. 2
- 2105298603. 3
- 2105298604. 4

Question Number : 52 Question Id : 2105292152 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is not used in the induced breeding of Indian major carps?

1. Ovotide
2. Ovaprim
3. Methyl testosterone
4. Wova -FH

Options :

- 2105298605. 1
- 2105298606. 2
- 2105298607. 3
- 2105298608. 4

Question Number : 53 Question Id : 2105292153 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The mineral which is required for the metabolism of Vitamin A

1. Cobalt
2. Zinc
3. Iron
4. Copper

Options :

2105298609. 1
2105298610. 2
2105298611. 3
2105298612. 4

Question Number : 54 Question Id : 2105292154 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

An approach in which gene expression (mRNA) is analysed in a biological sample at a given time under specific condition is referred to as

1. Proteomics
2. Metabolomics
3. Transcriptomics
4. Nutrigenomics

Options :

2105298613. 1
2105298614. 2
2105298615. 3
2105298616. 4

Question Number : 55 Question Id : 2105292155 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the pellet feed manufacture, the following temperature is ideal to heat the feed mixture in the mill

1. 100 -150 °F
2. 160 -185 °F
3. 185 -210 °F
4. 210 -250 °F

Options :

- 2105298617. 1
- 2105298618. 2
- 2105298619. 3
- 2105298620. 4

Question Number : 56 Question Id : 2105292156 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Whirling disease in fish is caused by

1. Mixosporidians
2. Saprolegnia
3. Mixosoma cerebralis
4. Ciliates

Options :

- 2105298621. 1
- 2105298622. 2
- 2105298623. 3
- 2105298624. 4

Question Number : 57 Question Id : 2105292157 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The ectoparasite *Lernaea* sp is commonly called

1. Ich worm
2. Anchor worm
3. Tape worm
4. Fish lice

Options :

- 2105298625. 1
- 2105298626. 2
- 2105298627. 3
- 2105298628. 4

Question Number : 58 Question Id : 2105292158 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Cryopreservation is used for the preservation of

1. Fish eggs
2. Fish milt
3. Fish embryos
4. Both fish egg and milt

Options :

- 2105298629. 1
- 2105298630. 2
- 2105298631. 3
- 2105298632. 4

Question Number : 59 Question Id : 2105292159 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Dropsy in fish is caused by

1. Viruses
2. Bacteria
3. Protozoa
4. Fungus

Options :

2105298633. 1
2105298634. 2
2105298635. 3
2105298636. 4

Question Number : 60 Question Id : 2105292160 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match the List I with List II

List I	List II
A. Yellowhead virus	I. Scampi
B. <i>Myxosoma cerebralis</i>	II. Murrels
C. Whitetail disease	III. Tiger shrimp
D. Epizootic ulcerative disease	IV. Trouts

Choose the correct answer from the options given below

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

Options :

2105298637. 1
2105298638. 2
2105298639. 3

2105298640. 4

Question Number : 61 Question Id : 2105292161 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The end product of nitrification is

1. Ionised ammonia nitrogen
2. Unionised ammonia nitrogen
3. Nitrite
4. Nitrate

Options :

2105298641. 1

2105298642. 2

2105298643. 3

2105298644. 4

Question Number : 62 Question Id : 2105292162 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The study of the toxic effects of pollutants is called

1. Biology
2. Biochemistry
3. Histology
4. Bioassay

Options :

2105298645. 1

2105298646. 2

2105298647. 3

2105298648. 4

Question Number : 63 Question Id : 2105292163 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

BOD is a measure of

1. Organic pollution
2. Biological pollution
3. Inorganic pollution
4. Chemical pollution

Options :

- 2105298649. 1
- 2105298650. 2
- 2105298651. 3
- 2105298652. 4

Question Number : 64 Question Id : 2105292164 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The deepest trench in the Indian ocean is

1. Java trench
2. Mariana trench
3. Vema trench
4. Puerto Rico trench

Options :

- 2105298653. 1
- 2105298654. 2
- 2105298655. 3
- 2105298656. 4

Question Number : 65 Question Id : 2105292165 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Estuarine organisms are generally

1. Mixohaline
2. Oligohaline
3. Stenohaline
4. Euhaline

Options :

- 2105298657. 1
- 2105298658. 2
- 2105298659. 3
- 2105298660. 4

Question Number : 66 Question Id : 2105292166 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The organisms found attached over the surface of vegetation is called as

1. Parasite
2. Creepers
3. Periphyton
4. Nekton

Options :

- 2105298661. 1
- 2105298662. 2
- 2105298663. 3
- 2105298664. 4

Question Number : 67 Question Id : 2105292167 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which Indian state has minimum coastal length?

1. Goa
2. Odisha
3. Tamil Nadu
4. Karnataka

Options :

- 2105298665. 1
- 2105298666. 2
- 2105298667. 3
- 2105298668. 4

Question Number : 68 Question Id : 2105292168 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

After eutrophication a lake becomes

1. Dystrophic
2. Bog
3. Reservoir
4. Oligotrophic

Options :

- 2105298669. 1
- 2105298670. 2
- 2105298671. 3
- 2105298672. 4

Question Number : 69 Question Id : 2105292169 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The process of using microorganisms to reduce pollution through the biological degradation of pollutants into the non-toxic substance is called as

1. Bioremediation
2. Biodegradation
3. Bioaccumulation
4. Phytoremediation

Options :

- 2105298673. 1
- 2105298674. 2
- 2105298675. 3
- 2105298676. 4

Question Number : 70 Question Id : 2105292170 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is NOT a greenhouse gas?

1. CO₂
2. CH₃
3. CO
4. O₃

Options :

- 2105298677. 1
- 2105298678. 2
- 2105298679. 3
- 2105298680. 4

Question Number : 71 Question Id : 2105292171 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rapid increase in density with depth is called

1. Themocline
2. Halocline
3. Pycnocline
4. Haleocline

Options :

- 2105298681. 1
- 2105298682. 2
- 2105298683. 3
- 2105298684. 4

Question Number : 72 Question Id : 2105292172 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The plankton that is associated with brackish water is

1. Heleoplankton
2. Hypalmyroplankton
3. Phytoplankton
4. Halioplankton

Options :

- 2105298685. 1
- 2105298686. 2
- 2105298687. 3
- 2105298688. 4

Question Number : 73 Question Id : 2105292173 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Hardness is imparted to water mainly due to the presence of

1. Divalent ions
2. Divalent cations
3. Monovalent cations
4. Monovalent anions

Options :

- 2105298689. 1
- 2105298690. 2
- 2105298691. 3
- 2105298692. 4

Question Number : 74 Question Id : 2105292174 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The wavelength of light that is least absorbed by the ocean is

1. Red
2. Blue
3. Yellow
4. Green

Options :

- 2105298693. 1
- 2105298694. 2
- 2105298695. 3
- 2105298696. 4

Question Number : 75 Question Id : 2105292175 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Acid rain causes the emission of

1. Carbon dioxide and sulphur dioxide
2. Sulphur dioxide and carbon monoxide
3. Sulphur dioxide and Nitrogen dioxide
4. Sulphur dioxide and nitrous oxide

Options :

- 2105298697. 1
- 2105298698. 2
- 2105298699. 3
- 2105298700. 4

Question Number : 76 Question Id : 2105292176 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Salvinia is a

1. Emergent weed
2. Submerged weed
3. Floating weed
4. Marginal weed

Options :

- 2105298701. 1
- 2105298702. 2
- 2105298703. 3
- 2105298704. 4

Question Number : 77 Question Id : 2105292177 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The paints are used where the vessel area is subjected to corrosion both by water and air is called

1. Boat topping
2. Under water parts
3. Hull surface above the water line
4. Shot blasting

Options :

- 2105298705. 1
- 2105298706. 2
- 2105298707. 3
- 2105298708. 4

Question Number : 78 Question Id : 2105292178 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following gear is used for frog fishery?

1. Traps
2. Trawlers
3. Dredges
4. Shooting

Options :

- 2105298709. 1
- 2105298710. 2
- 2105298711. 3
- 2105298712. 4

Question Number : 79 Question Id : 2105292179 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The portion of the net mouth in between the two wings is called

1. The quarter
2. The bosom
3. The over hang
4. False belly

Options :

- 2105298713. 1
- 2105298714. 2
- 2105298715. 3
- 2105298716. 4

Question Number : 80 Question Id : 2105292180 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The coloured feathers or fibres which are used for attracting the fishes are called

1. Jigs
2. Live baits
3. Artificial baits
4. Lures

Options :

- 2105298717. 1
- 2105298718. 2
- 2105298719. 3
- 2105298720. 4

Question Number : 81 Question Id : 2105292181 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

One nautical mile is equal to how many kilometers?

1. 1.852 kms
2. 1.530 kms
3. 2.382 kms
4. 6.0 kms

Options :

- 2105298721. 1
- 2105298722. 2
- 2105298723. 3
- 2105298724. 4

Question Number : 82 Question Id : 2105292182 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The instrument used to record the speed of the vessel based on the acoustic principles is

1. Auto pilot
2. Chromometers
3. Doppler logs
4. Patent logs

Options :

- 2105298725. 1
- 2105298726. 2
- 2105298727. 3
- 2105298728. 4

Question Number : 83 Question Id : 2105292183 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the yarn numbering system, which is the most commonly used system for denoting the size of the yarn?

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

Options :

- 2105298729. 1
- 2105298730. 2
- 2105298731. 3
- 2105298732. 4

Question Number : 84 Question Id : 2105292184 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The device used to prevent twisting and kinking of lines is called

1. Thimble
2. Shackle
3. Hooks
4. Swivel

Options :

- 2105298733. 1
- 2105298734. 2
- 2105298735. 3
- 2105298736. 4

Question Number : 85 Question Id : 2105292185 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The chief saturated fatty acid present in fish oil is

1. Oleic acid
2. Palmitic acid
3. Polyenoic acid
4. Cetoleic acid

Options :

2105298737. 1
2105298738. 2
2105298739. 3
2105298740. 4

Question Number : 86 Question Id : 2105292186 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The regulatory protein which controls muscle contraction and relaxation through its interaction with calcium is

1. Troponin
2. Actin
3. Myosin
4. Stroma

Options :

2105298741. 1
2105298742. 2
2105298743. 3
2105298744. 4

Question Number : 87 Question Id : 2105292187 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
A. Fish	I. Lactoferrin
B. Poultry egg	II. Lysozyme
C. Cows milk	III. Eugenol
D. Clove	IV. Conalbumin

Choose the correct answer from the options given below

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

Options :

- 2105298745. 1
- 2105298746. 2
- 2105298747. 3
- 2105298748. 4

Question Number : 88 Question Id : 2105292188 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The bacterium associated with the Kanagawa phenomenon is

1. *Vibrio parahaemolyticus*
2. *Vibrio vulnificus*
3. *Vibrio harveyi*
4. *Vibrio alginolyticus*

Options :

- 2105298749. 1
- 2105298750. 2
- 2105298751. 3

2105298752. 4

Question Number : 89 Question Id : 2105292189 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The presence of *Staphylococcus aureus* in processed seafood is an indication of which of the following?

1. Faecal contamination
2. Personal hygiene
3. Discolouration
4. Black spot formation

Options :

2105298753. 1

2105298754. 2

2105298755. 3

2105298756. 4

Question Number : 90 Question Id : 2105292190 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The radiation dose used under Radappertisation process to prolong the shelf life of the product is

1. 30 - 40 kGy
2. 5 - 10 kGy
3. 0.25 - 7.0 kGy
4. 2.5 - 10 kGy

Options :

2105298757. 1

2105298758. 2

2105298759. 3

2105298760. 4

Question Number : 91 Question Id : 2105292191 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
A. Ends of a normal can	I. <i>Bacillus stearothermophilus</i>
B. Flat sour	II. <i>Clostridium botulinum</i>
C. Neurolytic toxin	III. Bigelow
D. General method of process calculation	IV. Concave or flat

Choose the correct answer from the options given below

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

Options :

2105298761. 1
2105298762. 2
2105298763. 3
2105298764. 4

Question Number : 92 Question Id : 2105292192 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The double seam of a can is characterised by

1. One layer
2. Two layers
3. Five layers
4. Three layers

Options :

- 2105298765. 1
- 2105298766. 2
- 2105298767. 3
- 2105298768. 4

Question Number : 93 Question Id : 2105292193 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

During freezing of fish, the maximum ice crystal formation zone lies between

1. -5 °C to -1°C
2. -1 °C to -5°C
3. -55 °C to -60°C
4. -6 °C to -10°C

Options :

- 2105298769. 1
- 2105298770. 2
- 2105298771. 3
- 2105298772. 4

Question Number : 94 Question Id : 2105292194 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Saxitoxin is associated with

1. PSP
2. ASP
3. CFP
4. DSP

Options :

- 2105298773. 1
- 2105298774. 2
- 2105298775. 3
- 2105298776. 4

Question Number : 95 Question Id : 2105292195 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The motility of bacteria is observed by

1. Gram staining
2. Simple staining
3. Negative staining
4. Hanging drop technique

Options :

- 2105298777. 1
- 2105298778. 2
- 2105298779. 3
- 2105298780. 4

Question Number : 96 Question Id : 2105292196 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

E. coli colonies grown in Eosine methylene blue agar appear as

1. Greenish metallic sheen
2. Blackish
3. Pinkish
4. Transparent

Options :

- 2105298781. 1
- 2105298782. 2
- 2105298783. 3
- 2105298784. 4

Question Number : 97 Question Id : 2105292197 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The square mesh cod end is suggested in trawl net fishing gear for

1. Closing the mouth of trawl net
2. The escape of juvenile fish
3. The escape of turtles
4. Opening the mouth of trawl net

Options :

- 2105298785. 1
- 2105298786. 2
- 2105298787. 3
- 2105298788. 4

Question Number : 98 Question Id : 2105292198 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
A. PSP	I. Procentrum
B. DSP	II. Alexandrium
C. NSP	III. Nitschia
D. ASP	IV. Gymnodinium

Choose the correct answer from the options given below

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

Options :

2105298789. 1
2105298790. 2
2105298791. 3
2105298792. 4

Question Number : 99 Question Id : 2105292199 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

As per the ICMSF standards, the set limit for TPC in fresh and frozen fish is

1. 10^7 cfu/g
2. 10^9 cfu/g
3. Nil
4. 10^2 cfu/g

Options :

2105298793. 1

2105298794. 2

2105298795. 3

2105298796. 4

Question Number : 100 Question Id : 2105292200 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The best raw material for construction of cold storage is

1. Steel
2. Cement concrete
3. Polyurethane foam panels
4. Iron

Options :

2105298797. 1

2105298798. 2

2105298799. 3

2105298800. 4

Question Number : 101 Question Id : 2105292201 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Dun spoilage in salted and dried fish is caused by the growth and survival of which one of the following?

1. Halophiles
2. Molds
3. Yeasts
4. Protozoans

Options :

2105298801. 1

2105298802. 2

2105298803. 3

2105298804. 4

Question Number : 102 Question Id : 2105292202 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The carcinogen present in smoked fish is

1. 3-4 Benzopyrene
2. Histamine
3. Ketones
4. Aldehydes

Options :

2105298805. 1

2105298806. 2

2105298807. 3

2105298808. 4

Question Number : 103 Question Id : 2105292203 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The method suited for enumerating the presence of low numbers of microorganisms in food is

1. MPN method
2. Spread plate method
3. Pour plate method
4. Dye reduction method

Options :

2105298809. 1

2105298810. 2

2105298811. 3

2105298812. 4

Question Number : 104 Question Id : 2105292204 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Foods of low water activity stored in high RH environment leads to transfer of water from the environment to the food thereby increasing in water activity of food

Statement II: Foods with high water activity when stored in low RH environment loose moisture and become unfit for consumption due to loss of quality

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

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

Options :

2105298813. 1

2105298814. 2

2105298815. 3

2105298816. 4

Question Number : 105 Question Id : 2105292205 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Variance ratio test is otherwise called

1. F-test
2. t-test
3. Z-test
4. Chi square test

Options :

- 2105298817. 1
- 2105298818. 2
- 2105298819. 3
- 2105298820. 4

Question Number : 106 Question Id : 2105292206 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following takes the value from -1 to 1?

1. Correlation co-efficient
2. Regression co-efficient
3. Probability
4. Fisher and Yates coefficient

Options :

- 2105298821. 1
- 2105298822. 2
- 2105298823. 3
- 2105298824. 4

Question Number : 107 Question Id : 2105292207 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The coefficient of skewness for a normal distribution is

1. +1
2. -1
3. 3
4. 0

Options :

2105298825. 1
2105298826. 2
2105298827. 3
2105298828. 4

Question Number : 108 Question Id : 2105292208 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A user can get files from another computer on the internet by using

1. HTTP
2. UTP
3. FTP
4. TELNET

Options :

2105298829. 1
2105298830. 2
2105298831. 3
2105298832. 4

Question Number : 109 Question Id : 2105292209 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The full form of ERNET is

1. European Research Network
2. Electronic Research Network
3. Education and Research Network
4. European Regional Network

Options :

- 2105298833. 1
- 2105298834. 2
- 2105298835. 3
- 2105298836. 4

Question Number : 110 Question Id : 2105292210 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first step in extension teaching is

1. Desire
2. Action
3. Attention
4. Interest

Options :

- 2105298837. 1
- 2105298838. 2
- 2105298839. 3
- 2105298840. 4

Question Number : 111 Question Id : 2105292211 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Skill can be effectively acquired by

1. Lecture
2. Method demonstration
3. Communication
4. Listening

Options :

- 2105298841. 1
- 2105298842. 2
- 2105298843. 3
- 2105298844. 4

Question Number : 112 Question Id : 2105292212 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

PRA stands for

1. Participatory Research Appraisal
2. Participatory Rural Appraisal
3. Public Rural Appraisal
4. Public-Private Research Agreement

Options :

- 2105298845. 1
- 2105298846. 2
- 2105298847. 3
- 2105298848. 4

Question Number : 113 Question Id : 2105292213 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The spread of a new idea into the social system is called

1. Innovation
2. Diffusion
3. Modification
4. Communication

Options :

- 2105298849. 1
- 2105298850. 2
- 2105298851. 3
- 2105298852. 4

Question Number : 114 Question Id : 2105292214 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In India, fisheries within territorial waters is a

1. Union subject
2. Concurrent subject
3. State subject
4. International subject

Options :

- 2105298853. 1
- 2105298854. 2
- 2105298855. 3
- 2105298856. 4

Question Number : 115 Question Id : 2105292215 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Demand is said to be perfectly inelastic when price elasticity of demand is

1. Infinite
2. +1
3. -1
4. Zero

Options :

- 2105298857. 1
- 2105298858. 2
- 2105298859. 3
- 2105298860. 4

Question Number : 116 Question Id : 2105292216 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A market which has only one buyer is known as

1. Monopoly market
2. Monopsony market
3. Oligopoly market
4. Oligopsomy market

Options :

- 2105298861. 1
- 2105298862. 2
- 2105298863. 3
- 2105298864. 4

Question Number : 117 Question Id : 2105292217 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is aimed at equipping the rural youth who are below the poverty line with necessary skills, technology and training to take up self-employment?

1. RKVY
2. TRYSEM
3. READY
4. ATIC

Options :

- 2105298865. 1
- 2105298866. 2
- 2105298867. 3
- 2105298868. 4

Question Number : 118 Question Id : 2105292218 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is a group contact method?

1. Newspaper
2. Interview
3. Farm visit
4. Field trip

Options :

- 2105298869. 1
- 2105298870. 2
- 2105298871. 3
- 2105298872. 4

Question Number : 119 Question Id : 2105292219 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Tariff is a

1. A tax levied on imported goods
2. A tax levied on domestic goods
3. A barrier that a nation places on the physical amount of exports
4. A barrier that a nation places on the physical amount of imports

Options :

- 2105298873. 1
- 2105298874. 2
- 2105298875. 3
- 2105298876. 4

Question Number : 120 Question Id : 2105292220 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following convention is also called UNCLOS III?

1. 1982 Convention
2. Bonn Convention
3. Ramsar Convention
4. Washington Convention

Options :

- 2105298877. 1
- 2105298878. 2
- 2105298879. 3
- 2105298880. 4