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**APPSC Assistant Inspector of  
Fisheries Official Paper-II  
(Held In\_ Sept 2023)**



Print

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Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	Paper II Basic Fisheries and Applied Fisheries Asst Inspector
Subject Name :	Paper II Basic Fisheries and Applied Fisheries Asst Inspector
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Paper II Basic Fisheries and Applied Fisheries Asst Inspector

Section type :	Online
Section Negative Marks :	0.33
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 1 Question Id : 630680392752 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Fishes which spawn on sands are called \_\_\_\_\_.

Options :

- 1. ✗ Pelagophils
- 2. ✗ Aerophils
- 3. ✗ Spleophils
- 4. ✓ Psammophils

**Question Number : 2 Question Id : 630680392753 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is released in response to environmental stress in fish?

**Options :**

- 1. ✖ Thyrotropin
- 2. ✔ Cortisol
- 3. ✖ Adrenaline
- 4. ✖ Prolactin

**Question Number : 3 Question Id : 630680392754 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following serves as biochemical indicators of heavy metal contamination in fish?

**Options :**

- 1. ✖ Cortisol
- 2. ✖ Catecholamines
- 3. ✖ Prolactin
- 4. ✔ Metallothionein

**Question Number : 4 Question Id : 630680392755 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Chromaffin tissues are part of :

**Options :**

- 1. ✖ Pituitary gland
- 2. ✔ Adrenal gland
- 3. ✖ Thyroid gland
- 4. ✖ Urophysis

**Question Number : 5 Question Id : 630680392756 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following parts of the pituitary in List I with the hormones secreted by them in List II.

Sl. No.	Parts of pituitary	Sl. No.	Hormones
A	Proximal pars distalis	i.	Prolactin
B	Rostral pars distalis	ii.	Vasopressin
C	Pars intermedia	iii.	Thyrotropin
D	Pars nervosa	iv.	Melanophore dispersing hormone

**Options :**

- 1. ✖ A-i, B-ii, C- iii, D- iv
- 2. ✖ A-ii, B-iii, C- iv, D- i
- 3. ✔ A-iii, B-i, C- iv, D- ii
- 4. ✖ A-iv, B-iii, C- i, D- ii

**Question Number : 6 Question Id : 630680392757 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following was developed as a strain smaller than S and SS strain of rotifer by CMFRI?

**Options :**

1. ✓ *Colurella adriatica*
2. ✗ *Cephalodella gibba*
3. ✗ *Habrotrocha angusticollis*
4. ✗ *Brachionus urceolaris*

**Question Number : 7 Question Id : 630680392758 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is used as a suggested treatment for ich disease?

**Options :**

1. ✗ Sodium chloride
2. ✗ Potassium permanganate
3. ✗ Copper sulphate
4. ✓ Malachite green

**Question Number : 8 Question Id : 630680392759 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following has broad and flat covered body, anteriorly with dorsal shield with a pair of compound eyes, hooks and barbs?

**Options :**

1. ✓ *Argulus sp.*
2. ✗ *Lernea sp.*
3. ✗ *Caligus sp.*
4. ✗ *Ergasilus sp.*

**Question Number : 9 Question Id : 630680392760 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

In biological assay, the "fish unit" method of expressing the potency of pituitary extract was used in \_\_\_\_\_.

**Options :**

1. ✓ Brazil
2. ✗ Russia
3. ✗ Japan
4. ✗ India

**Question Number : 10 Question Id : 630680392761 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Gonadotropin is the product of :

**Options :**

1. ✗ Gonads
2. ✗ Hypothalamus
3. ✓ Pituitary
4. ✗ Synthetic analogues

**Question Number : 11 Question Id : 630680392762 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

In hypophysation method of IMCs, the females are given the first dose of injection at:

**Options :**

1. ✓ 2-3 mg/kg
2. ✗ 5-8 mg/kg
3. ✗ 8-10 mg/kg
4. ✗ 10-12 mg/kg

**Question Number : 12 Question Id : 630680392763 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pellets of which of the following were implanted in the body of *Clarias batrachus* to get induced breeding?

**Options :**

1. ✓ LHRHA
2. ✗ HCG
3. ✗ Dopamine
4. ✗ DOCA

**Question Number : 13 Question Id : 630680392764 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

“Nutritional gill disease” is caused due to the deficiency of:

**Options :**

1. ✗ Vitamin E
2. ✗ Iodine
3. ✓ Pantothenic acid
4. ✗ Methionine

**Question Number : 14 Question Id : 630680392765 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Channel catfish virus comes under \_\_\_\_\_.

**Options :**

1. ✗ Paramyxoviridae
2. ✓ Herpes virus
3. ✗ Orthomyxoviridae
4. ✗ Novirhabdovirus

**Question Number : 15 Question Id : 630680392766 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

CIFAX dosage used is \_\_\_\_\_.

**Options :**

1. ✓ 1 l/ha
2. ✗ 1mg/ha
3. ✗ 1 mg/l
4. ✗ 1 g/l

**Question Number : 16 Question Id : 630680392767 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is the organisation responsible for quarantining shrimps in India.

**Options :**

1. ✗ CIBA
2. ✓ AQF of Rajiv Gandhi Centre for Aquaculture
3. ✗ CIFA
4. ✗ CMFRI

**Question Number : 17 Question Id : 630680392768 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Magur attains the sexual maturity in \_\_\_\_\_.

**Options :**

1. ✓ 1 year
2. ✗ 2 years
3. ✗ 3 years
4. ✗ 4 years

**Question Number : 18 Question Id : 630680392769 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The sex of prawn can be externally identified by \_\_\_\_\_.

**Options :**

1. ✓ II chelate legs
2. ✗ I maxillipeds
3. ✗ II non chelate legs
4. ✗ I abdominal appendage

**Question Number : 19 Question Id : 630680392770 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Average incubation period of *Macrobrachium rosenbergii* at 28° C:

**Options :**

1. ✗ 10 days
2. ✓ 20 days
3. ✗ 30 days
4. ✗ 40 days

**Question Number : 20 Question Id : 630680392771 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Deep sunken valleys suitable for mussel culture are known as \_\_\_\_\_.

**Options :**

1. ✗ Parks
2. ✓ Rias
3. ✗ Fjords
4. ✗ Bar built

**Question Number : 21 Question Id : 630680392772 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Material used at intervals to avoid slippage in mussel ropes are known as \_\_\_\_\_.

**Options :**

1. ✖ Droppers
2. ✔ Pegs
3. ✖ Blades
4. ✖ Knot

**Question Number : 22 Question Id : 630680392773 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

In the semi-intensive shrimp culture, the shrimps are stocked at \_\_\_\_\_.

**Options :**

1. ✖ 1-10 PL/m<sup>2</sup>
2. ✔ 10-20 PL/ m<sup>2</sup>
3. ✖ 25-30 PL/ m<sup>2</sup>
4. ✖ 30-50 PL/ m<sup>2</sup>

**Question Number : 23 Question Id : 630680392774 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Species cultured in cages of Japan:

**Options :**

1. ✔ Yellow tail
2. ✖ Catla
3. ✖ Murrel
4. ✖ Mullet

**Question Number : 24 Question Id : 630680392775 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Tide fed farms are best suited for \_\_\_\_\_.

**Options :**

1. ✔ Traditional extensive system
2. ✖ Semi-intensive system
3. ✖ Intensive system
4. ✖ Super-intensive system

**Question Number : 25 Question Id : 630680392776 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Culture period of *Macrobrachium rosenbergii* in polyculture is \_\_\_\_\_.

**Options :**

1. ✖ 6-8 months
2. ✔ 8-12 months
3. ✖ 2-3 months
4. ✖ 1-2 months



**Question Number : 26 Question Id : 630680392777 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The type of soil preferable for shrimp culture \_\_\_\_\_.

**Options :**

- 1. ✓ Clay or loam based soil
- 2. ✗ Sandy soil
- 3. ✗ Silty soil
- 4. ✗ Acid sulphate soil

**Question Number : 27 Question Id : 630680392778 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following pH level in List I with their respective lime dose in List II.

Sl. No.	pH	Sl. No.	Lime dose (kg/ha)
A	4.0	i.	700
B	4.5-5.5	ii.	200
C	5.5-6.5	iii.	500
D	6.5-7.5	iv.	1000

**Options :**

- 1. ✗ A-i, B-ii, C- iii, D- iv
- 2. ✗ A-ii, B-iii, C- iv, D- i
- 3. ✗ A-ii, B-i, C- iv, D- iii
- 4. ✓ A-iv, B-i, C-iii, D- ii

**Question Number : 28 Question Id : 630680392779 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

How many days are required to complete one operation of hatching in Chinese hatchery system?

**Options :**

- 1. ✗ 3
- 2. ✓ 4
- 3. ✗ 6
- 4. ✗ 5

**Question Number : 29 Question Id : 630680392780 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: Carp fry raised on phytoplankton alone is very weak and the survival is very poor.

Reason: Phytoplankton organisms have a resistant cell wall, which is indigestible by tender fry

**Options :**

- 1. ✓ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
- 2. ✗ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
- 3. ✗ The assertion is true, but the reason is false.
- 4. ✗ The statement of the assertion is false, but the reason is true

**Question Number : 30 Question Id : 630680392781 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following deficiency in fishes cause corneal vascularization and photophobia?

**Options :**

1. ✖ Thiamine
2. ✔ Riboflavin
3. ✖ Pyridoxine
4. ✖ Inositol

**Question Number : 31 Question Id : 630680392782 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

What is the space requirement of a bird in deep litter system?

**Options :**

1. ✖ 0.2-0.5 m<sup>2</sup>/ bird
2. ✔ 0.3-0.4 m<sup>2</sup>/ bird
3. ✖ 0.7-0.9 m<sup>2</sup>/ bird
4. ✖ 1-2 m<sup>2</sup>/ bird

**Question Number : 32 Question Id : 630680392783 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following statements is INCORRECT about ducks?

**Options :**

1. ✖ It serves as bio-aerators
2. ✖ Keeps aquatic plants in check
3. ✖ Increases plankton production
4. ✔ Decrease the biomass of natural food organism

**Question Number : 33 Question Id : 630680392784 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The number of pigs required to fertilize one hectare of pond is \_\_\_\_\_.

**Options :**

1. ✖ 80-100
2. ✖ 50-60
3. ✔ 30-40
4. ✖ 10-20

**Question Number : 34 Question Id : 630680392785 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following state leads in sewage fed fish culture?

**Options :**

1. ✖ Tamil Nadu
2. ✔ West Bengal
3. ✖ Orissa
4. ✖ Kerala

**Question Number : 35 Question Id : 630680392786 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The color of the egg mass in freshwater prawn during hatching is \_\_\_\_\_.

**Options :**

1. ✖ Orange- red
2. ✖ Red
3. ✖ Yellow- orange
4. ✔ Grey-black

**Question Number : 36 Question Id : 630680392787 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The cyclic, morphological changes which the male and female gonads undergo to attain full growth and ripeness is called \_\_\_\_\_.

**Options :**

1. ✖ Breeding
2. ✔ Maturation
3. ✖ Spawning
4. ✖ Hatching

**Question Number : 37 Question Id : 630680392788 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following statements is INCORRECT with respect to shrimp farming?

**Options :**

1. ✔ The PL for stocking should have 8-10 spines on the rostrum
2. ✖ The muscle-to-gut ratio in the sixth abdominal segment should be about 4:1
3. ✖ PL with the presence of pigment cells in the uropods must be selected
4. ✖ Signs of red or pink coloration are normally related to stress

**Question Number : 38 Question Id : 630680392789 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The maximum biomass maintained by an ecosystem in a given period is called \_\_\_\_\_.

**Options :**

1. ✔ Carrying capacity
2. ✖ Stocking density
3. ✖ Biomass
4. ✖ Rate of standing

**Question Number : 39 Question Id : 630680392790 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The reproductive organ in female shrimp is \_\_\_\_\_.

**Options :**

1. ✔ Thelycum
2. ✖ Petasma
3. ✖ Cheliped
4. ✖ Pleopods

**Question Number : 40 Question Id : 630680392791 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The color of the ripe ovaries in shrimps are \_\_\_\_\_.

**Options :**

1. ✖ Orange - red
2. ✔ Dark green
3. ✖ Yellow - orange
4. ✖ Grey - black

**Question Number : 41 Question Id : 630680392792 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following produces ecdysterone in shrimps?

**Options :**

1. ✖ X-organ
2. ✔ Y-organ
3. ✖ Mandibular organ
4. ✖ Pituitary gland

**Question Number : 42 Question Id : 630680392793 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: In carnivores, higher levels of proteolytic enzyme activity are generally reported

Reason: Carbohydrases are not considered to be of primary importance in the digestive processes of predatory fish

**Options :**

1. ✖ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion.
2. ✔ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
3. ✖ The assertion is true, but the reason is false.
4. ✖ The statement of the assertion is false, but the reason is true

**Question Number : 43 Question Id : 630680392794 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following statements is INCORRECT about rotifers?

**Options :**

1. ✖ The head carries a corona
2. ✔ All species are found to conserve energy by decreasing its respiration rate
3. ✖ Reproduce by parthenogenesis
4. ✖ The toe contains cement gland for attachment

**Question Number : 44 Question Id : 630680392795 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following common names of ornamental fishes in List I with their scientific names in List II.

Sl. No.	Common names	Sl. No.	Scientific names
A	Angel fish	i.	<i>Brachydanio rerio</i>
B	Sword tail	ii.	<i>Puntius denisoni</i>
C	Zebra danio	iii.	<i>Xiphophorus sp.</i>
D	Red-line torpedo fish	iv.	<i>Pterophyllum scalare</i>

Options :

- 1. ✖ A-i, B-ii, C- iii, D- iv
- 2. ✖ A-iii, B-iv, C- ii, D- i
- 3. ✖ A-ii, B-i, C- iv, D- iii
- 4. ✔ A-iv, B-iii, C- i, D- ii

Question Number : 45 Question Id : 630680392796 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following breeding type of ornamental fishes in List I with their examples in List II.

Sl. No.	Common names	Sl. No.	Scientific names
A	Egg burier	i.	Gold fish
B	Egg depositor	ii.	Killi fish
C	Nest builder	iii.	Angel fish
D	Egg scatterers	iv.	Gourami

Options :

- 1. ✖ A-i, B-ii, C- iii, D- iv
- 2. ✔ A-ii, B-iii, C- iv, D- i
- 3. ✖ A-ii, B-i, C- iv, D- iii
- 4. ✖ A-iv, B-iii, C- i, D- ii

Question Number : 46 Question Id : 630680392797 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements is INCORRECT about vegetative propagation in aquarium plants?

Options :

- 1. ✖ Runners grow out from the base of the parent plant
- 2. ✔ Offsets produce slips
- 3. ✖ Adventitious plantlets can grow on any part of the plant
- 4. ✖ Vegetative propagation is also called asexual reproduction

Question Number : 47 Question Id : 630680392798 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33



Match the following common names of aquarium plants in List I with their scientific names in List II.

Sl. No.	Common names	Sl. No.	Scientific names
A	Duck weed	i.	<i>Ceratophyllum</i>
B	Ribbon grass	ii.	<i>Lemna minor</i>
C	Water spinach	iii.	<i>Vallisneria</i>
D	Horn wart	iv.	<i>Ipomea aquatic</i>

Options :

- 1. ✖ A-i, B-ii, C- iii, D- iv
- 2. ✖ A-iii, B-iv, C- ii, D- i
- 3. ✔ A-ii, B-iii, C- iv, D- i
- 4. ✖ A-iv, B-iii, C- i, D- ii

Question Number : 48 Question Id : 630680392799 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0.33

Match the following scientific names of aquarium plants in List I with their common names in List II.

Sl. No.	Common names	Sl. No.	Scientific names
A	<i>Aponogeton fenestralis</i>	i.	Water lettuce
B	<i>Pistia sp.</i>	ii.	Needle spikerush
C	<i>Sagittaria sagittifolia</i>	iii.	Lace plant
D	<i>Eleocharis acicularis</i>	iv.	Arrow head

Options :

- 1. ✖ A-i, B-ii, C- iii, D- iv
- 2. ✔ A-iii, B-i, C- iv, D- ii
- 3. ✖ A-ii, B-iii, C- iv, D- i
- 4. ✖ A-iv, B-iii, C- i, D- ii

Question Number : 49 Question Id : 630680392800 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0.33

Match the following type of immunostimulants in List I with their examples in List II.

Sl. No.	Immunostimulants	Sl. No.	Examples
A	Synthetic chemical agents	i.	Glycyrrhizin
B	Bacterial derivatives	ii.	Levamisole
C	Polysaccharides	iii.	Muramyl dipeptide
D	Plant extracts	iv.	Chitin

Options :

- 1. ✖ A-i, B-ii, C- iii, D- iv
- 2. ✔ A-ii, B-iii, C- iv, D- i
- 3. ✖ A-ii, B-i, C- iv, D- iii
- 4. ✖ A-iv, B-iii, C- i, D- ii

Question Number : 50 Question Id : 630680392801 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following type of feed additives in List I with their examples in List II.

Sl. No.	Common names	Sl. No.	Scientific names
A	Binders	i.	Ethoxyquin
B	Antioxidant	ii.	Betaine
C	Enzyme	iii.	Carboxymethyl cellulose
D	Feed stimulants	iv.	Phytase

Options :

- 1. ✖ A-i, B-ii, C- iii, D- iv
- 2. ✖ A-ii, B-iii, C- iv, D- i
- 3. ✔ A-iii, B-i, C- iv, D- ii
- 4. ✖ A-iv, B-iii, C- i, D- ii

Question Number : 51 Question Id : 630680392802 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which if the following statements is INCORRECT about farm made feed?

Options :

- 1. ✖ The nutritional value is highly variable from place to place
- 2. ✖ The quantity and quality of the farm-made feeds cannot be controlled
- 3. ✔ They don't disintegrate easily
- 4. ✖ Farm-made feeds for large scale production units are not feasible

Question Number : 52 Question Id : 630680392803 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following type of feed in List I with their characteristics in List II.

Sl. No.	Type of feed	Sl. No.	Characteristics
A	Starter feed	i.	Pellets
B	Fry feed	ii.	Cost-effective
C	Fingerling feed	iii.	Crumbles
D	Grow-out feed	iv.	Nutritionally complete

Options :

- 1. ✖ A-i, B-ii, C- iii, D- iv

- 2. ✖ A-ii, B-iii, C- iv, D- i
- 3. ✖ A-ii, B-i, C- iv, D- iii
- 4. ✔ A-iv, B-iii, C- i, D- ii

**Question Number : 53 Question Id : 630680392804 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following microalgae has higher concentrations of EPA?

**Options :**

- 1. ✔ *Chaetoceros calcitrans*
- 2. ✖ *Pavlova lutheri*
- 3. ✖ *Isochrysis sp.*
- 4. ✖ *Chroomonas salina*

**Question Number : 54 Question Id : 630680392805 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

What is the optimum C:N ratio in a biofloc system?

**Options :**

- 1. ✖ 7:1-10:1
- 2. ✔ 10:1-15:1
- 3. ✖ 15:1-20:1
- 4. ✖ 5:1-10:1

**Question Number : 55 Question Id : 630680392806 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following disease in List I with their vaccine type in List II.

Sl. No.	Disease	Sl. No.	Vaccine type
A	Infectious hematopoietic necrosis	i.	Subunit
B	Koi herpesvirus disease	ii.	Avirulent live culture
C	Bacterial Kidney Disease	iii.	DNA
D	Infectious pancreatic necrosis	iv.	Attenuated

**Options :**

- 1. ✖ A-i, B-ii, C- iii, D- iv
- 2. ✔ A-iii, B-iv, C- ii, D- i
- 3. ✖ A-ii, B-i, C- iv, D- iii
- 4. ✖ A-iv, B-iii, C- i, D- ii

**Question Number : 56 Question Id : 630680392807 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**



Match the following non-specific humoral factors in List I with their examples in List II.

Sl. No.	Non-specific humoral factors	Sl. No.	Examples
A	Growth inhibitors	i.	C-reactive protein
B	Enzyme inhibitors	ii.	Complement
C	Lysins	iii.	Transferrin
D	Precipitins and agglutinins	iv.	Antiproteases

Options :

- 1. ✓ A-iii, B-iv, C- ii, D- i
- 2. ✗ A-ii, B-iii, C- iv D- i
- 3. ✗ A-ii, B-i, C- iv, D- iii
- 4. ✗ A-iv, B-iii, C- i, D- ii

Question Number : 57 Question Id : 630680392808 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Arrange the following non-specific humoral defence mechanisms in the order of first, second, third and final line of defence.

- i. Mucosal lining cells
- ii. Blood cells
- iii. Endocytically active cells
- iv. Mucosal secretion

Options :

- 1. ✗ i, ii, iii, iv
- 2. ✗ ii, iv, iii, i
- 3. ✓ iv, i, ii, iii
- 4. ✗ iii, i, iv, ii

Question Number : 58 Question Id : 630680392809 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The process by which either antibody or another molecule promotes the phagocytosis of the antigen by a phagocyte binding with the antigen is known as \_\_\_\_\_.

Options :

- 1. ✗ Precipitation
- 2. ✗ Neutralization
- 3. ✗ Agglutination
- 4. ✓ Opsonization

Question Number : 59 Question Id : 630680392810 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements is INCORRECT about flow through systems?

Options :

- 1. ✓ It doesn't require water exchange
- 2. ✗ Production is much higher
- 3. ✗ Easy to observe the fishes
- 4. ✗ Harvesting is easy

**Question Number : 60 Question Id : 630680392811 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: Unlike ponds, raceways doesn't process wastes within the culture systems

Reason: Raceways have low retention times

**Options :**

- 1. ✔ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion.
- 2. ✖ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
- 3. ✖ The assertion is true, but the reason is false.
- 4. ✖ The statement of the assertion is false, but the reason is true

**Question Number : 61 Question Id : 630680392812 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following staining method in List I with their pathogens identified in List II.

Sl. No.	Staining method	Sl. No.	Pathogens identified
A	Colloidal carbon stain	i.	Mycobacterium sp.
B	Wright's stain	ii.	Intestinal protozoa
C	Trichrome stain	iii.	Encapsulated fungi
D	Acid-fast stain	iv.	Parasites in blood

**Options :**

- 1. ✔ A-iii, B-iv, C- ii, D- i
- 2. ✖ A-ii, B-iii, C- iv D- i
- 3. ✖ A-ii, B-i, C- iv, D- iii
- 4. ✖ A-iv, B-iii, C- i, D- ii

**Question Number : 62 Question Id : 630680392813 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following stains in List I with their pathogens in List II.

Sl. No.	Staining method	Sl. No.	Pathogens identified
A	Acridine orange	i.	Mycobacteria
B	Auramine-rhodamine	ii.	Bacteria and fungi
C	Calcofluor white	iii.	Microsporidia
D	Gomori-Wheatley stain	iv.	Fungi

**Options :**

- 1. ✖ A-iii, B-iv, C- ii, D- i
- 2. ✖ A-ii, B-iii, C- iv D- i
- 3. ✔ A-ii, B-i, C- iv, D- iii
- 4. ✖ A-iv, B-iii, C- i, D- ii

**Question Number : 63 Question Id : 630680392814 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is a biochemical test used to diagnose fish diseases?

**Options :**

- 1. ✖ Agar gel precipitation test
- 2. ✖ Agglutination test
- 3. ✖ Latex agglutination test
- 4. ✔ Decarboxylation test

**Question Number : 64 Question Id : 630680392815 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following statements is incorrect about Loop Mediated Isothermal Amplification?

**Options :**

- 1. ✖ Amplifies DNA with high specificity
- 2. ✔ Cannot be used to amplify RNA sequences
- 3. ✖ Relies on auto-cycling strand displacement DNA synthesis
- 4. ✖ The reaction is carried out at isothermal condition

**Question Number : 65 Question Id : 630680392816 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following enzymes in List I with functions in List II.

Sl. No.	Enzymes	Sl. No.	Functions
A	DNA ligase	i.	Fill single stranded gapes of DNA duplex
B	Reverse transcriptase	ii.	Bind to DNA molecules
C	DNA polymerase I	iii.	Removes terminal phosphates
D	Alkaline phosphatase	iv.	Make a DNA copy of RNA molecule

**Options :**

- 1. ✖ A-iii, B-iv, C- ii, D- i
- 2. ✖ A-ii, B-iii, C- iv D- i
- 3. ✔ A-ii, B-iv, C- i, D- iii
- 4. ✖ A-iv, B-iii, C- i, D- ii

**Question Number : 66 Question Id : 630680392817 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following statements is INCORRECT about vectors?

**Options :**

- 1. ✔ It can be used to join DNA instead of DNA ligase
- 2. ✖ It is capable of replicating in host cell
- 3. ✖ It has restriction enzyme sites
- 4. ✖ It is easy to isolate

**Question Number : 67 Question Id : 630680392818 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about myeloma cells.

**Options :**

- 1. ✗ HGPRT<sup>-</sup>, Ig<sup>-</sup> and immortal
- 2. ✗ HGPRT<sup>-</sup>, Ig<sup>-</sup> and mortal
- 3. ✗ HGPRT<sup>-</sup>, Ig<sup>+</sup> and immortal
- 4. ✓ HGPRT<sup>+</sup>, Ig<sup>+</sup> and immortal

**Question Number : 68 Question Id : 630680392819 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following statements is INCORRECT about prokaryotic gene expression?

**Options :**

- 1. ✓ It occurs in the nucleus
- 2. ✗ It produces polycistronic mRNA
- 3. ✗ Regulation occurs at transcriptional level
- 4. ✗ Has single type of RNA polymerase

**Question Number : 69 Question Id : 630680392820 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following statements is INCORRECT about prokaryotic gene expression?

**Options :**

- 1. ✗ It contains introns
- 2. ✓ It produces polycistronic mRNA
- 3. ✗ Regulation occurs at multi-level
- 4. ✗ Has three type of RNA polymerase

**Question Number : 70 Question Id : 630680392821 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following body shapes of fish in List I with their respective examples in List II.

Sl. No.	Body shapes of fish	Sl. No.	Examples
A	Anguilliform	i.	Gunnels
B	Taeniform	ii.	Eel
C	Ovate	iii.	Skate
D	Depressiform	iv.	Filefish

**Options :**

- 1. ✗ A - i, B - ii, C - iii, D - iv
- 2. ✗ A - ii, B - iii, C - iv, D - i
- 3. ✓ A - ii, B - i, C - iv, D - iii
- 4. ✗ A - iv, B - i, C - iii, D - ii

**Question Number : 71 Question Id : 630680392822 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Homocercal and heterocercal are forms of :

**Options :**

- 1. ❌ Anal fin
- 2. ✅ Caudal fin
- 3. ❌ Dorsal fin
- 4. ❌ Pelvic fin

**Question Number : 72 Question Id : 630680392823 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following family in List I with their respective examples in List II.

Sl. No.	Family	Sl. No.	Examples
A	Chanidae	i.	Feather back
B	Clupeidae	ii.	Milk fish
C	Albulidae	iii.	Sardines
D	Notopteridae	iv.	Ladyfish

**Options :**

- 1. ❌ A - i, B - ii, C - iii, D - iv
- 2. ✅ A - ii, B - iii, C - iv, D - i
- 3. ❌ A - ii, B - i, C - iv, D - iii
- 4. ❌ A - iv, B - i, C - iii, D - ii

**Question Number : 73 Question Id : 630680392824 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following family in List I with their respective examples in List II.

Sl. No.	Family	Sl. No.	Examples
A	Elopidae	i.	Tarpon
B	Megalopidae	ii.	Giant herring
C	Dussumieridae	iii.	Gizzard shad
D	Dorosomidae	iv.	Rainbow sardine

**Options :**

- 1. ❌ A - i, B - ii, C - iii, D - iv
- 2. ❌ A - ii, B - iii, C - iv, D - i
- 3. ✅ A - ii, B - i, C - iv, D - iii
- 4. ❌ A - iv, B - i, C - iii, D - ii

**Question Number : 74 Question Id : 630680392825 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**



**Correct Marks : 1 Wrong Marks : 0.33**

Marine fishes drink water to compensate :

**Options :**

1. ✗ Salt loss
2. ✗ Weight loss
3. ✗ Energy loss
4. ✓ Water loss

**Question Number : 75 Question Id : 630680392826 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the INCORRECT statement.

- a. Blood of marine fishes have high osmotic pressure
- b. Water is lost through gills in marine fishes
- c. Marine fishes drink more water for compensating water loss

**Options :**

1. ✓ Only a
2. ✗ Both b and c
3. ✗ Only b
4. ✗ Both a and b

**Question Number : 76 Question Id : 630680392827 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following uses standardized short region of DNA to verify species identity?

**Options :**

1. ✗ Biochemical taxonomy
2. ✓ Barcoding
3. ✗ IPez
4. ✗ AFLP

**Question Number : 77 Question Id : 630680392828 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following pumps salt inwards in freshwater and outwards in seawater?

**Options :**

1. ✗ Primary lamellae
2. ✗ Secondary lamellae
3. ✓ Chloride cells
4. ✗ Glomerular apparatus

**Question Number : 78 Question Id : 630680392829 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The maximum length beyond which the fish cannot grow is called \_\_\_\_\_.

**Options :**

1. ✓ Length infinity
2. ✗ L max
3. ✗ Length at maximum
4. ✗ Maximum length

**Question Number : 79 Question Id : 630680392830 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following predicts the length of the fish as a function of its age?

**Options :**

1. ✗ Richards curve
2. ✗ Morgan - Mercer - Flodin
3. ✓ von Bertalanffy growth function
4. ✗ Gulland and Holt Plot

**Question Number : 80 Question Id : 630680392831 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is the pigmentary material for iridophores?

**Options :**

1. ✗ Melanin
2. ✓ Guanine
3. ✗ Carotenoids
4. ✗ Pterins

**Question Number : 81 Question Id : 630680392832 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is responsible for flat sour spoilage?

**Options :**

1. ✗ *Clostridium botulinum*
2. ✓ *Bacillus stearothermophilus*
3. ✗ *Pseudomonas*
4. ✗ *Corynebacterium*

**Question Number : 82 Question Id : 630680392833 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Zone of maximum ice crystallization formation is in the temperature range of :

**Options :**

1. ✗ - 1 to - 2° C
2. ✗ - 1 to - 3° C
3. ✓ - 1 to - 5° C
4. ✗ - 5 to - 6° C

**Question Number : 83 Question Id : 630680392834 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The time in minutes required to kill an organism in specific medium at 121.1° C is called \_\_\_\_\_.

**Options :**

1. ✓ D value
2. ✗ Z value
3. ✗ F value
4. ✗ P value

**Question Number : 84 Question Id : 630680392835 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Honey combing is a phenomenon observed in \_\_\_\_\_.

**Options :**

1. ☒ Canned tuna
2. ☐ Dried tuna
3. ☐ Frozen tuna
4. ☐ Smoked tuna

**Question Number : 85 Question Id : 630680392836 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The condition when the filling medium is not sufficient to cover the solid food and the top is left dry is \_\_\_\_\_.

**Options :**

1. ☐ Mush
2. ☒ Retort burn
3. ☐ Belly burst
4. ☐ Freeze burn

**Question Number : 86 Question Id : 630680392837 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The thickness of flake ice is \_\_\_\_\_.

**Options :**

1. ☒ 2.5 - 3.5 mm
2. ☐ 2 - 3 mm
3. ☐ 3 - 4 mm
4. ☐ 4 - 5 mm

**Question Number : 87 Question Id : 630680392838 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The organisms that are best represented in the upper and middle reaches in low salinities (5 - 30 ppt) are called:

**Options :**

1. ☐ Oligohaline organism
2. ☒ True estuarine organism
3. ☐ Euryhaline marine organism
4. ☐ Stenohaline marine organism

**Question Number : 88 Question Id : 630680392839 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The term epifauna and infauna are related with :

**Options :**

1. ☐ Neustons
2. ☐ Nektons
3. ☒ Benthos
4. ☐ Profundal fauna



**Question Number : 89 Question Id : 630680392840 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Blood clam belong to the family :

**Options :**

1. ✗ Veniridae
2. ✓ Arcidae
3. ✗ Myidae
4. ✗ Sphaeriidae

**Question Number : 90 Question Id : 630680392841 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The soil which feels smooth, sticky and plastic when moist and forms very hard clods when dry is \_\_\_\_\_.

**Options :**

1. ✗ Sand
2. ✗ Silt
3. ✓ Clay
4. ✗ Loam

**Question Number : 91 Question Id : 630680392842 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: Epistatic interaction between two loci produces variation on the 9:3:3:1 F<sub>2</sub> phenotypic ratio

Reason: The ratio occur when there are two dominant genes which produce different phenotypes

**Options :**

1. ✓ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
2. ✗ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
3. ✗ The assertion is true, but the reason is false.
4. ✗ The statement of the assertion is false, but the reason is true

**Question Number : 92 Question Id : 630680392843 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The phenomenon of multiple effect of a single gene is called :

**Options :**

1. ✗ Additive gene action
2. ✗ Dominant epistasis
3. ✓ Pleiotropism
4. ✗ Codominance

**Question Number : 93 Question Id : 630680392844 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The change in the base by the repositioning of a hydrogen atom, altering the hydrogen bonding pattern of that base resulting in incorrect base pairing during replication is called :

**Options :**

1. ✗ Deamination
2. ✗ Depurination
3. ✓ Tautomerism

4. ✖ Slipped strand mispairing

**Question Number : 94 Question Id : 630680392845 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: Nonsense mutation causes translation of the mRNA to stop prematurely and a truncated protein to be produced

Reason: In a nonsense mutation, the new base changes a codon that specified an amino acid into one of the stop codons

**Options :**

1. ✔ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
2. ✖ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
3. ✖ The assertion is true, but the reason is false.
4. ✖ The statement of the assertion is false, but the reason is true

**Question Number : 95 Question Id : 630680392846 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Mutation in which no change in the final product occurs is called :

**Options :**

1. ✖ Missense mutation
2. ✔ Silent mutation
3. ✖ Nonsense mutation
4. ✖ Point mutation

**Question Number : 96 Question Id : 630680392847 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the INCORRECT statement about genetic drift.

**Options :**

1. ✖ It leads to a random change in the gene frequency
2. ✔ It does not lead to loss of alleles within populations
3. ✖ It can irreversibly alter gene frequencies
4. ✖ It can make a population unfit for selective breeding

**Question Number : 97 Question Id : 630680392848 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following describes polymorphisms caused by point mutations that give rise to different alleles containing alternative bases at a given nucleotide position within a locus?

**Options :**

1. ✖ AFLP
2. ✖ RAPD
3. ✖ RFLP
4. ✔ Single nucleotide polymorphisms

**Question Number : 98 Question Id : 630680392849 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following consist of multiple copies of tandemly arranged simple sequence repeats?

**Options :**

1. ✖ Expressed Sequence Tags
2. ✖ Single nucleotide polymorphisms
3. ✔ Microsatellites
4. ✖ mt - DNA

**Question Number : 99 Question Id : 630680392850 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: During an inbreeding programme, genotypic frequencies can be drastically altered if relatively few inbred families are maintained

Reason: This leads to change in gene frequencies

**Options :**

1. ✖ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
2. ✔ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
3. ✖ The assertion is true, but the reason is false.
4. ✖ The statement of the assertion is false, but the reason is true

**Question Number : 100 Question Id : 630680392851 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following selective breeding programme is used to select three or more phenotypes simultaneously?

**Options :**

1. ✔ Selection index
2. ✖ Individual selection
3. ✖ Family selection
4. ✖ Within family selection

**Question Number : 101 Question Id : 630680392852 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The amount by which the mean of  $F_1$  generation exceeds to its better parent is called :

**Options :**

1. ✖ Line breeding
2. ✔ Heterosis
3. ✖ Tandem selection
4. ✖ Cross breeding

**Question Number : 102 Question Id : 630680392853 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: DO remain optimum during morning and gradually increase to attain maximum in the afternoon and declines thereafter during night to reach minimum before dawn

Reason: Photosynthesis, respiration and slow rate of diffusion cause a fluctuation of DO in water

**Options :**

1. ✔ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
2. ✖ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
3. ✖ The assertion is true, but the reason is false.
4. ✖ The statement of the assertion is false, but the reason is true

**Question Number : 103 Question Id : 630680392854 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: The pH of pond water undergoes a diurnal change

Reason: The pH remains acidic in mid afternoon and alkaline just before day break.

**Options :**

1. ✖ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
2. ✖ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
3. ✔ The assertion is true, but the reason is false.
4. ✖ The statement of the assertion is false, but the reason is true

**Question Number : 104 Question Id : 630680392855 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following phosphorus content in soil is considered as highly productive?

**Options :**

1. ✖ 30 ppm
2. ✖ 30 - 60 ppm
3. ✔ 60 - 120 ppm
4. ✖ above 120 ppm

**Question Number : 105 Question Id : 630680392856 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about the secondary response of stress in fishes.

**Options :**

1. ✔ Release of catecholamines
2. ✖ Changes in plasma and tissue ion
3. ✖ Changes in heatshock or stress proteins
4. ✖ Changes in hydromineral balance

**Question Number : 106 Question Id : 630680392857 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: In teleosts, catecholamines release is rapid and the circulating levels of these hormones increase immediately with stress

Reason: In teleosts, the chromaffin tissue is located mainly in the anterior region of the kidney

**Options :**

1. ✔ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
2. ✖ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
3. ✖ The assertion is true, but the reason is false.
4. ✖ The statement of the assertion is false, but the reason is true

**Question Number : 107 Question Id : 630680392858 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following fatty acids in List I with their respective carbon ratio in List II.

Sl. No.	Fatty acids	Sl. No.	Carbon ratio
A	Myristic acid	i.	20:0
B	Palmitic acid	ii.	14:0
C	Stearic acid	iii.	16:0
D	Arachidic acid	iv.	18:0

Options :

- 1. ✖ A - i, B - ii, C - iii, D - iv
- 2. ✔ A - ii, B - iii, C - iv, D - i
- 3. ✖ A - ii, B - i, C - iv, D - iii
- 4. ✖ A - iv, B - i, C - iii, D - ii

Question Number : 108 Question Id : 630680392859 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Select the option that is true regarding the following two statements labelled Assertion and Reason.  
Assertion: Elongation of stearyl - CoA in brain increases rapidly during myelination  
Reason: It is to provide C22 and C24 fatty acids that are needed for the synthesis of sphingolipids

Options :

- 1. ✔ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
- 2. ✖ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
- 3. ✖ The assertion is true, but the reason is false.
- 4. ✖ The statement of the assertion is false, but the reason is true

Question Number : 109 Question Id : 630680392860 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following protein structure in List I with their respective examples in List II.

Sl. No.	Protein structure	Sl. No.	Examples
A	Primary	i.	$\alpha$ - helix $\beta$ - pleated structure
B	Secondary	ii.	Peptide bond
C	Tertiary	iii.	Haemoglobin
D	Quaternary	iv.	Myoglobin

Options :

- 1. ✖ A - i, B - ii, C - iii, D - iv
- 2. ✖ A - ii, B - iii, C - iv, D - i
- 3. ✔ A - ii, B - i, C - iv, D - iii
- 4. ✖ A - iv, B - i, C - iii, D - ii

Question Number : 110 Question Id : 630680392861 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Pick the odd statement about hydrophobic amino acids.

**Options :**

1. ☒ They are soluble in water
2. ☐ Ala, Ile, Leu, Met, pro and Val are aliphatic amino acids
3. ☐ Phe, Try and Tyr are aromatic amino acids
4. ☐ They are non polar

**Question Number : 111 Question Id : 630680392862 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is an example for metalloprotein?

**Options :**

1. ☐ Ova albumin
2. ☒ Haemoglobin
3. ☐ Plasma proteins
4. ☐ Histones

**Question Number : 112 Question Id : 630680392863 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about space - borne observation platforms.

**Options :**

1. ☒ Small area coverage
2. ☐ Frequent and repetitive coverage of an area of interest
3. ☐ Quantitative measurement of ground features
4. ☐ Semi - automated computerised processing and analysis

**Question Number : 113 Question Id : 630680392864 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The orientation of the electric field which may be either vertical (V) or horizontal (H) is called \_\_\_\_\_.

**Options :**

1. ☐ Frequency
2. ☒ Polarization
3. ☐ Viewing geometry
4. ☐ Spatial resolution

**Question Number : 114 Question Id : 630680392865 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The wavelength range of microwave portion of the spectrum is \_\_\_\_\_.

**Options :**

1. ☐ 0.1 - 1 mm
2. ☒ 1 mm - 1 m
3. ☐ 0.5 - 1 mm
4. ☐ 0.1 - 0.5 mm

**Question Number : 115 Question Id : 630680392866 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The imaging system in which a single channel sensor with broad wavelength range is used to detect radiation within a broad wavelength range is \_\_\_\_\_.



**Options :**

1. ☒ Panchromatic imaging system
2. ☐ Multispectral imaging system
3. ☐ Hyperspectral imaging system
4. ☐ Microwave sensors

**Question Number : 116 Question Id : 630680392867 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about RADAR.

**Options :**

1. ☐ It is a detection and ranging system
2. ☐ It uses radio wave for its operation
3. ☒ It is not affected by electronic countermeasures
4. ☐ The speed of RADAR signal is  $3 \times 10^8$  m/s

**Question Number : 117 Question Id : 630680392868 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about International Morse Code.

**Options :**

1. ☒ The length of a dot is two units
2. ☐ A dash is three units
3. ☐ The space between the parts of the same letter is 1 unit
4. ☐ The space between words is seven units

**Question Number : 118 Question Id : 630680392869 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following charts are used for ocean navigation covering most of the Northern Hemisphere, and parts of Central Pacific Ocean?

**Options :**

1. ☐ DECCA charts
2. ☐ CONSOL charts
3. ☒ LORAN Charts
4. ☐ Routing charts

**Question Number : 119 Question Id : 630680392870 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about GPS.

**Options :**

1. ☒ Licence is required
2. ☐ Man overboard alarm
3. ☐ No wear and tear
4. ☐ Anchor watch alarm

**Question Number : 120 Question Id : 630680392871 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is a special acoustic instrument which collects the operational information of trawl net?

**Options :**

1. ✗ SONAR
2. ✗ RADAR
3. ✓ Net sonde
4. ✗ GPS

**Question Number : 121 Question Id : 630680392872 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

GPS stands for :

**Options :**

1. ✓ Global Positioning System
2. ✗ Global Positioning Scheme
3. ✗ Geographical Positioning System
4. ✗ Geographical Positioning Satellite

**Question Number : 122 Question Id : 630680392873 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The gears with long wings and towing warps with or without bags is called \_\_\_\_\_.

**Options :**

1. ✗ Surrounding nets
2. ✗ Drive - in nets
3. ✓ Seine nets
4. ✗ Lift nets

**Question Number : 123 Question Id : 630680392874 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The gear which is kept open vertically by the frame and horizontally by the current is \_\_\_\_\_.

**Options :**

1. ✗ Surrounding nets
2. ✗ Drive - in nets
3. ✗ Seine nets
4. ✓ Bag nets

**Question Number : 124 Question Id : 630680392875 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

What is the multiplying factor for converting denier value to tex in yarn numbering system?

**Options :**

1. ✗ 9
2. ✓ 0.111
3. ✗ 0.21
4. ✗ 590.5

**Question Number : 125 Question Id : 630680392876 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about knotted netting.

**Options :**



1. ✓ Low hydrodynamic resistance
2. ✗ Knots are protruded and abrasion is more
3. ✗ Substantial % of twine is consumed for knots
4. ✗ Knot decrease in breaking strength

**Question Number : 126 Question Id : 630680392877 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Select the option that is true regarding the following two statements labelled Assertion and Reason.

Assertion: The natural preservatives used in wooden boats were not effective

Reason: Natural preservatives have less penetration and retention into the wood

**Options :**

1. ✓ Both the assertion and the reason are correct. And the reason is the correct explanation of the assertion
2. ✗ The assertion and the reason are correct. But the reason is not the correct explanation of the assertion
3. ✗ The assertion is true, but the reason is false.
4. ✗ The statement of the assertion is false, but the reason is true

**Question Number : 127 Question Id : 630680392878 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The ice which is formed by spraying water on to a refrigerated drum is \_\_\_\_\_.

**Options :**

1. ✗ Block ice
2. ✓ Flake ice
3. ✗ Tube ice
4. ✗ Plate ice

**Question Number : 128 Question Id : 630680392879 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The ice which is produced by cooling the brine solution to 30 degree Celsius by refrigeration process that extracts heat from the water is \_\_\_\_\_.

**Options :**

1. ✓ Block ice
2. ✗ Flake ice
3. ✗ Tube ice
4. ✗ Plate ice

**Question Number : 129 Question Id : 630680392880 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

During chilling the recommended ratio of fish to sea water is \_\_\_\_\_.

**Options :**

1. ✗ 1:1 to 2:1
2. ✓ 3:1 to 4:1
3. ✗ 3:1 to 6:1
4. ✗ 1:1 to 4:1

**Question Number : 130 Question Id : 630680392881 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about thawing of chilled fish.

**Options :**

1. ✓ The electric methods give more uniform thawing with compact block at large fish
2. ✗ Thaw - rigor accompanied by shrinkage and loss of fluid sometimes can be produced when thawing is rapid
3. ✗ Fillets, unprotected by the skin of the fish, are more susceptible than whole fish to deterioration on thawing
4. ✗ For blocks of fillets, water thawing is unsuitable

**Question Number : 131 Question Id : 630680392882 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Desiccation from the surface of the frozen fish results in \_\_\_\_\_.

**Options :**

1. ✓ Freeze burn
2. ✗ Black spot
3. ✗ Flavour change
4. ✗ Rustiness

**Question Number : 132 Question Id : 630680392883 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is a complex media used in microbial culture?

**Options :**

1. ✓ Nutrient agar
2. ✗ Bismuth sulphate agar
3. ✗ Baird Parkar agar
4. ✗ F2 media

**Question Number : 133 Question Id : 630680392884 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is a moving lever used to induce torque in a reciprocating compressor?

**Options :**

1. ✗ Piston
2. ✗ Piston ring
3. ✓ Crank shaft
4. ✗ Connecting rod

**Question Number : 134 Question Id : 630680392885 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about air cooled condensers.

**Options :**

1. ✗ Used for low capacity plants
2. ✓ Construction of the condenser is complicated
3. ✗ The distribution of air in the condenser is not uniform
4. ✗ Do not require piping arrangement for carrying the air

**Question Number : 135 Question Id : 630680392886 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Match the following type of proteins in List I with their respective examples in List II.

Sl. No.	Type of proteins	Sl. No.	Example
A	Structural protein	i.	Globulin
B	Sarcoplasmic protein	ii.	Collagen
C	Connective tissue protein	iii.	Myosin

Options :

- 1. ✖ A - i, B - ii, C - iii
- 2. ✖ A - ii, B - iii, C - i
- 3. ✔ A - iii, B - i, C - ii
- 4. ✖ A - ii, B - i, C - iii

Question Number : 136 Question Id : 630680392887 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The highest amount of trimethylamine oxide is found in \_\_\_\_\_.

Options :

- 1. ✔ Squid
- 2. ✖ Tuna
- 3. ✖ Sardine
- 4. ✖ Mackerel

Question Number : 137 Question Id : 630680392888 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Squalene is found in \_\_\_\_\_.

Options :

- 1. ✔ Sharks
- 2. ✖ Squid
- 3. ✖ Shrimps
- 4. ✖ Molluscs

Question Number : 138 Question Id : 630680392889 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following compounds in List I with their respective amines in List II.

Sl. No.	Compounds	Sl. No.	Amines
A	Histidine	i.	Putrescine
B	Ornithine	ii.	Histamine
C	Lysine	iii.	Tyramine
D	Tyrosine	iv.	Cadaverine

Options :

- 1. ✖ A - i, B - ii, C - iii, D - iv
- 2. ✖ A - ii, B - iii, C - iv, D - i

3. ✓ A - ii, B - i, C - iv, D - iii

4. ✗ A - iv, B - i, C - iii, D - ii

**Question Number : 139 Question Id : 630680392890 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is responsible for the fishy odour in spoiling seafood?

**Options :**

1. ✓ Trimethylamine

2. ✗ Ammonia

3. ✗ Biogenic amines

4. ✗ Dimethylamine

**Question Number : 140 Question Id : 630680392891 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

The amount by which aggregate demand will exceed aggregate output at the full employment level is called \_\_\_\_\_.

**Options :**

1. ✗ Inflation

2. ✓ Inflationary gap

3. ✗ Cost push inflation

4. ✗ Demand pull inflation

**Question Number : 141 Question Id : 630680392892 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement about the characteristics of wants.

**Options :**

1. ✓ Wants are limited in number

2. ✗ Wants are Complementary

3. ✗ Wants are alternative

4. ✗ Wants are recurrent

**Question Number : 142 Question Id : 630680392893 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following principles of cooperatives legitimizes its existence in broader social context?

**Options :**

1. ✗ Autonomy and Independence

2. ✗ Education, Training and Information

3. ✗ Cooperation among Cooperatives

4. ✓ Concern for the Community

**Question Number : 143 Question Id : 630680392894 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Pick the odd statement of group contact method of teaching.

**Options :**

1. ✗ It teaches through drama and puppetry

2. ✓ It involves showing posters and charts

3. ✗ It includes video lessons

4. ✖ It involves taking people on tours

Question Number : 144 Question Id : 630680392895 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is a non - projected AV aid?

Options :

- 1. ✔ Simulations
- 2. ✖ Video conferencing
- 3. ✖ Motion pictures
- 4. ✖ Computer aided instructions

Question Number : 145 Question Id : 630680392896 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

An arrangement of connections that link computers and other devices in a network is called \_\_\_\_\_.

Options :

- 1. ✖ Local Area Network
- 2. ✖ Wide Area Network
- 3. ✖ Metropolitan Area Network
- 4. ✔ Network Topology

Question Number : 146 Question Id : 630680392897 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Match the following State fishes in List I with their respective States in List II

Sl. No.	State fishes	Sl. No.	States
A	Striped murrel	i.	Arunachal Pradesh
B	Golden mahseer	ii.	Andhra Pradesh
C	<i>Clarius batrachus</i>	iii.	Kerala
D	Pearl spot	iv.	Bihar

Options :

- 1. ✖ A - i, B - ii, C - iii, D - iv
- 2. ✖ A - ii, B - iii, C - iv, D - i
- 3. ✔ A - ii, B - i, C - iv, D - iii
- 4. ✖ A - iv, B - i, C - iii, D - ii

Question Number : 147 Question Id : 630680392898 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Select the INCORRECT statement.

- a. Fish are cold blooded
- b. Fish has allantoic bladder
- c. Fish does not have middle ear

Options :

- 1. ✖ Only a
- 2. ✖ Only c

3. ✓ Only b  
4. ✗ Both b and c

**Question Number : 148 Question Id : 630680392899 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following order is classified under higher teleosts?

**Options :**

1. ✗ Clupeiformes  
2. ✗ Cypriniformes  
3. ✓ Perciformes  
4. ✗ Beloniformes

**Question Number : 149 Question Id : 630680392900 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is wrong about fecundity?

- a. Fecundity is an adaptation to life in certain environment  
b. Formation of fecundity begins in early ontogeny after gonadal differentiation  
c. Reserve fund of the sex cells determining potential fecundity is formed by meiotic cleavage  
d. Final fecundity is always lower than potential fecundity

**Options :**

1. ✗ Both a and b  
2. ✓ Only c  
3. ✗ Both c and d  
4. ✗ Only d

**Question Number : 150 Question Id : 630680392901 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is an example for mouth brooder?

**Options :**

1. ✓ *Oreochromis niloticus*  
2. ✗ *Copella arnoldi*  
3. ✗ *Rutilus rutilus*  
4. ✗ *Oryzias latipes*