FINAL ANSWER KEY

Date of Test	06-07-2022
Department	Apex Societies of Co operative Sector in Kerala
Alphacode	A
Question1:-Which gear is mostly used in upper-stretch	of Ganga ?
A:-Gill Net	
B:-Hook and Line	
C:-Drag Net	
D:-Purse Seine	
Correct Answer:- Option-B	
Question2:-Find out the odd one reservoir.	
A:-Osman Sagar	
B:-Krishnaraj Sagar	
C:-Himayat Sagar	
D:-Hussain Sagar	
Correct Answer:- Option-B	
Question3:-Which of the following fishing technique is	post popular in sport fishing ?
A:-Bait casting	
B:-Spin-casting	
C:-Fly-casting	
D:-Spinning	
Correct Answer:- Option-B	
Question4:-Which of the following reservoir is also kno	own as Catla reservoir ?
A:-Sathanur	
B:-Pong	
C:-Tawa	
D:-Gobind Ballav Pant Sagar	
Correct Answer:- Option-A	
Question5:-In which zone oxygen is consumed for puri	ification of organic matter in lake ecosystem ?
A:-Littoral	
B:-Upper	
C:-Tropholytic	
D:-Euphotic	
Correct Answer:- Option-C	
Question6:-Family of toad fish is	
A:-Lophidae	
B:-Batrachoididae	
C:-Cyprinidae	
D:-None of these	
Correct Answer:- Option-B	
Question7:-Which of the following ornamental fish is n	est builder type ?
A:-Zebra	
B:-Rasbora	
C:-Fighter	
D:-None of these	
Correct Answer:- Option-C	

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Project Officer

Question8:-First reservoir developed scientifically in India is
A:-Gandhi Sagar
B:-Tungabhadra
C:-Stanley
D:-Gobind Sagar
Correct Answer:- Option-C
Question9:-Cultured based captured fishery is best suitable based on stock management
A:-Large reservoir
B:-Medium reservoir
C:-Small reservoir
D:-Lotic water bodies
Correct Answer:- Option-C
Question10:-Which of the following family showed synchronous hermaphroditism?
A:-Centropomidae
B:-Serranidae
C:-Labridae
D:-Sapridae
Correct Answer:- Option-B
Question11:-Sting rays belong to the family
A:-Dasyatidae
B:-Gymnuridae
C:-Urolophidae
D:-Rajidae
Correct Answer:- Option-A
Question12:-Statocyst is an organ for
A:-Sense of smell
B:-Sense of taste
C:-Sense of hearing
D:-Sense of balance
Correct Answer:- Option-D
Question13:-Find out the odd fish based on their feeding habits.
A:-Puntius sarana
B:-Cyprinus carpio
C:-Mystus vittatus
D:-Tor tor
Correct Answer:-Question Cancelled
Question14:-Which one is not the structure fisheries management system ?
A:-System analysis
B:-System therapy
C:-System description
D:-System optimization-implementation
Correct Answer:- Option-B
Question15:-Red tide phenomenon is found due to the abundance of
A:-Diatoms
B:-Dinoflagellates
C:-Protozoans
D:-Cocolithophores
Correct Answer:- Option-B
Question16:-Freshwater Dolphin is found in which river systems in India ?

A:-Brahmaputra

B:-Godavari
C:-Ganga
D:-Mahanadi
Correct Answer:-Question Cancelled
Question17:-Which is the indigenous ornamental fish ?
A:-Gold fish
B:-Platy
C:-Glass fish
D:-Morala
Correct Answer:- Option-C
Question18:-Setting of acquarium is also known as
A:-Aquasetting
B:-Aquascaping
C:-Aquarium culture
D:-Aquariculture
Correct Answer:- Option-B
Question19:-Which one is the primitive larvae of Crustacea ?
A:-Zoea
B:-Trochophore
C:-Nauplius
D:-Mysis
Correct Answer:- Option-C
Question20:-Adipose fin as second dorsal fin is found in
A:-Catfish
B:-Stingray
C:-Salmon
D:-Mackerel
Correct Answer:-Question Cancelled
Question21:-Coracle fishing is performed by
A:-One man
B:-Two men
C:-Three men
D:-Four men
Correct Answer:- Option-B
Question22:-Find out odd gear.
A:-Traps
B:-Lines
C:-Spearing
D:-Road and Line
Correct Answer:- Option-C
Question23:-The propulsion of mechanised boats would be done with the help of
A:-Sails
B:-Oars
C:-Engine
D:-Wind
Correct Answer:- Option-C
Question24:-The reduction in the length of a material is known as
A:-Tensile Strength
B:-Shrinkage
C:-Tenacity
C. renduity

D:-Breaking Strength Correct Answer:- Option-B Question25:-Gill net is the example of A:-Passive gear B:-Falling gear C:-Surrounding gear D:-Active gear Correct Answer:- Option-A Question 26: There is a constant search for identification of alternative dietary ingredients to replace fish meal and fish oil in aquaculture feeds because A:-Fish meal and fish oil are costly B:-They have been found to contain anti-nutritional factors C:-Heavy pressure on fisheries meant for human consumption and depletion of natural stocks D:-This practice favors cultivation of carnivores Correct Answer:- Option-A Question27:-Mahua oil cake contains A:-10 to 15% Saponin B:-4 to 6% Saponin C:-5% Rotenone D:-2 to 4% Rotenone Correct Answer:- Option-B Question28:-Feed management strategies renders least consideration to A:-Optimization of feed inputs B:-Reduction of feed conversion ratios C:-Potential impact on the culture and effluent water D:-Taxes on feed ingredients Correct Answer:- Option-D Question29:-The earliest fish to be cultured A:-Common carp B:-Cat fish C:-Tilapia D:-Salmon Correct Answer:- Option-A Question30:-Tilapia lake virus TiLV belongs to the family A:-Orthomyxoviridae B:-Rhabdoviruses C:-Iridoviruses D:-Retroviruses Correct Answer:- Option-A Question31:-Stocking density in aquaculture depends on A:-Soil type B:-Harvesting method C:-Management method D:-Feeding method Correct Answer:- Option-C Question32:-Ideal aquaculture Pond depth should be A:-0.5 to 4.0 m at shallow end to drainage end B:-0.5 to 2.0 m at shallow end to drainage end C:-0.5 to 5.0 m at shallow end to drainage end D:-0.5 to 6.0 m at shallow end to drainage end Correct Answer:- Option-B

Question33:-The single factor influencing pond productivity to a greater extent is	
A:-TDS	
B:-Hardness	
C:-pH	
D:-Silicate	
Correct Answer:- Option-C	
Question34:-Stocking density in aquaculture should not be dependent on	
A:-Water quality	
B:-Natural feed availability	
C:-Farmers management experience	
D:-Seed availability	
Correct Answer:-Question Cancelled	
Question35:-In aquaculture ponds high level of CO ₂ is expected during	
A:-6.00 AM	
B:-11.00 AM	
C:-7.00 PM	
D:-3.00 PM	
Correct Answer:- Option-A	
Question36:-Least important criteria for selection of suitable fish species for RAS	
A:-Faster growth rate	
B:-Hardy and least susceptible to disease	
C:-Compatibility with other cultivable species of fish	
D:-High market demand and high price	
Correct Answer:- Option-C	
Question37:-Gypsum application in aquaculture pond	
A:-Increases pH	
B:-Reduces pH	
C:-Stabilizes the pH	
D:-None	
Correct Answer:- Option-B	
Question38:-Common predatory fish in pond	
A:-Aplocheilus lineatus	
B:-Ctenopharyngodan idella	
C:-Glassogobius giurius	
D:-Sardinella longiceps	
Correct Answer:- Option-C	
Question39:-Most preferred method for complete eradication of weed fishes before stocking	
A:-Dewatering and desilting	
B:-Netting	
C:-Hook and lines	
D:-Poisoning using mahua oil cake	
Correct Answer:- Option-D	
Question40:-Removal of refractory organics and unpleasant toxic substances in sewage is done during	
A:-Primary treatment	
B:-Secondary treatment	
C:-Tertiary treatment	
D:-Quaternary treatment	
Correct Answer:- Option-C	
Question41:-Following is least agreeable to integrated aquaculture ecosystem	

A:-	Process of trapping solar energy
B:-	Allochthonus injection of nutrients to fish pond
C:-	Production of organic material by primary autotrophs
D:-	Decomposition of autotrophs and phagotrophs by saprotrophs
Cor	rrect Answer:- Option-B
Question	n42:-The common variety of duck integrated in Duck-cum-fish culture in India is
A:-	Khaki Campbell
B:-	Japanece Criollo
C:-	King Eider
D:-	Mandarin duck
Co	rrect Answer:- Option-A
Questio	n43:-In biofloc fish culture floc is necessarily not supported to be together
A:-	By surface tension variations in entrapped air
B:-	Bound by filamentous microorganisms
C:-	Held by electrostatic attraction
D:-	In a loose matrix of mucus that is secreted by bacteria
Co	rrect Answer:- Option-A
Questio	n44:-The desirable CN ratio in biofloc system is (Carbon : Nitrogen)
A:-	15:01
В:-	08:01
C:-	25:01
D:-	01:01
Co	rrect Answer:- Option-A
Question	n45:-The amount of living material present in water column at any given time is called
A:-	Biomass
B:-	Productivity
C:-	Biotic potential
D:-	Trophic status
Co	rrect Answer:- Option-A
Questio	n46:-In freshwater the limiting nutrient is
A:-	Nitrogen
B:-	Phosphorus
C:-	Iron
D:-	Calcium
Co	rrect Answer:- Option-B
	n47:-Freshwater prawn Macrobrachium rosenbergii is
	Herbivore
	Carnivore
	Omnivore
	Predator
	rrect Answer:- Option-C
	n48:-The aquaponics is least considerate of
A:-	
	Conductivity
	Suspended solids
	Silicate
	rrect Answer:- Option-D
	n49:-The feed additive tocopherol is an
	Antioxidant
B:-	Binder

	C:-Anticaking agent
	D:-Attractant
	Correct Answer:- Option-A
Ques	tion50:-Brown blood disease of fish is linked to
	A:-Ammonia
	B:-Nitrate
	C:-Nitrite
	D:-Iron salts
	Correct Answer:- Option-C
Ques	tion51:-Species ratio in polyculture is decided factoring in
	A:-Artificial feed availability
	B:-Seed availability
	C:-Feeding niches and interspecific competition
	D:-Water availability
	Correct Answer:- Option-C
Ques	tion52:-The largest catfish in freshwater is
	A:-Wallago attu
	B:-Heteropneustus fossilis
	C:-Clarious batrachus
	D:-Mystus sheengala
	Correct Answer:- Option-A
Ques	tion53:-The following factor merits least consideration in selecting a species for aquaculture
	A:-Growth rate
	B:-Disease resistance
	C:-Market demand
	D:-Auto breeding potential in ponds
	Correct Answer:- Option-D
Ques	tion54:-The best option for eradication of insects in aquaculture nurseries is
	A:-Soap oil emulsion
	B:-Repeated fine mesh drag netting
	C:-Gamamaxan spray
	D:-Dipterex crystal application
	Correct Answer:- Option-A
Ques	tion55:-Bacterial haemorrhagic septicaemia in fish is caused by
	A:-Aeromonas liquifaciens
	B:-Aeromonas hydrophila
	C:-Flavobacterium
	D:-Flexibacter
	Correct Answer:- Option-B
Ques	tion56:-For fry production of tilapia in ponds, the brood fish are stocked in male to female ratio of
	A:-1:2
	B:-1:3
	C:-1:5
	D:-1:6
	Correct Answer:-Question Cancelled
Ques	tion57:-Which one of the following is widely used in crustacean hatchery as initial food for rearing larvae ?
	A:-Brachionus
	B:-Moina
	C:-Daphnia
	D:-Artemia

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Correct Answer:- Option-D
Question58:-The first parthenogenetic cleavage of the fertilized egg of Indian major carp starts within
    A:-15-20 min. of spawning
    B:-10-12 min. of spawning
    C:-6-8 min. of spawning
    D:-< 1 min. of spawning
    Correct Answer:-Question Cancelled
Question59:-Which one of the following is popularly known as 'Thai magur'?
    A:-Wallago attu
    B:-Ictalurus punctatus
    C:-Clarius batrachus
    D:-Clarius gariepinus
    Correct Answer:- Option-D
Question60:-A prospective male fish of Indian major carp employed in induced breeding of fish on hormonal induction can yield milt of about
    A:-1-2 ml/kg body mass
    B:-2-4 ml/kg body mass
    C:-4-6 ml/kg body mass
    D:-6-10 ml/kg body mass
    Correct Answer:- Option-D
Question61:-The Indian backwater oyster is scientifically referred to as
    A:-Crassostrea gasar
    B:-Crassostrea gigas
    C:-Crassostrea madrasensis
    D:-Crassostrea virginica
    Correct Answer:- Option-C
Question62:-The late pre-moult and early inter-moult stage of mud crabs are known as
    A:-Baby crabs
    B:-Water crabs
    C:-Hard crabs
    D:-Adult crabs
    Correct Answer:- Option-B
Question63:-For cryopreservation of fish spermatozoa the motility should be
    A:-30%
    B:-50%
    C:-60%
    D:-> 70%
    Correct Answer:- Option-D
Question64:-Which one of the following combination rightly characterizes nucleotide base of DNA?
    A:-Adenine-Guanine-Tyrosine-Cytosine
    B:-Adenine-Guanine-Thymine-Cytokines
    C:-Adenine-Guanine-Thymine-Cytosine
    D:-Adenine-Glutamine-Tyrosine-Cytosine
    Correct Answer:- Option-C
Question65:-Maximum reproduction under mass culture of Brachionus plicatilis occurs under saline waters with a range of
    A:-20 to 25 ppt
    B:-15 to 20 ppt
    C:-10 to 15 ppt
    D:-05 to 10 ppt
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Question66:-Black spot formation or melanosis in shrimp occurs due to the reaction of the following components

Correct Answer:-Question Cancelled

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A:-Free amino acid + phenolase enzyme + oxygen
    B:-Phenolase enzyme + oxygen
    C:-Phenolase enzyme + oxygen + bound water
    D:-Free amino acid + phenolase enzyme + bound water
    Correct Answer:- Option-A
Question67:-The bioactive compound which is extracted from sea cucumber exhibits anticancer properties is known as
    A:-Moiramides
    B:-Neuritogenic active ganglioside
    C:-Amines
    D:-Triterpene glycoside
    Correct Answer:- Option-D
Question68:-The pigment responsible for the pink colour in normal cooked meat of tuna
    A:-Astaxanthin
    B:-Hemochrome
    C:-Melanin
    D:-Carotenoid
    Correct Answer:- Option-B
Question69:-Sulphur rich amino acid which lacks in vegetables but present in fishes is
    A:-Methionine
    B:-Lysine
    C:-Tryptophane
    D:-Leucine
    Correct Answer:- Option-A
Question70:-Fermented Herring and Anchovy, which is popular in Indonesia is called ?
    A:-Buro
    B:-Makassar
    C:-Pekasam
    D:-Sushimi
    Correct Answer:- Option-B
Question71:-Raw surimi without freezing is called
    A:-Muen-surimi
    B:-Kaen-surimi
    C:-Nama-surimi
    D:-Nigiri
    Correct Answer:- Option-C
Question72:-A modified hatchery pit with muslin cloth below the mosquito net
    A:-Earthen pot hatchery
    B:-Double cloth hatching hapa
    C:-Chittagong type hatching pit
    D:-Shirgur's bin hatchery
    Correct Answer:- Option-C
Question73:-The typical length : width : depth ratio in linear raceway
    A:-30 : 3 : 1
    B:-30 : 5 : 1
    C:-30 : 5 : 3
    D:-30 : 3 : 5
    Correct Answer:- Option-A
Question74:-An insulated vessel that ensures no liquid enters the compressor is known as
    A:-Accumulator
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B:-Evaporator

D:-Flash Chamber
Correct Answer:- Option-A
Question75:-Which of the following omega-3 fatty acids have been associated with fetal development, cardiovascular function, and Alzheimer's disease
A:-Docosahexaenoic acid
B:-Alpha-linolenic acid
C:-Gamma linolenic acid
D:-Triglyceride
Correct Answer:- Option-A
Question76:-Which one is the permitted diameter of stake net or dip net for fishing from public water bodies?
A:-More than 5 meter
B:-More than 4 meter
C:-More than 3 meter
D:-None of the above
Correct Answer:- Option-B
Question 77:-Which of the following statement is/are correct regarding the adjudicating officer as per KMFRA ? i) Fisheries Officer ii) Assistant Director iii) Deputy Director iv) Field Level Officer
A:-Only i and ii
B:-Only iii
C:-Only ii and iii
D:-All of the above
Correct Answer:- Option-C
Question78:-Which state has the highest per capita fish consumption per year in India ?
A:-Manipur
B:-Kerala
C:-Andhra Pradesh
D:-Tripura
Correct Answer:- Option-D
Question79:-When the trawling was introduced in Kerala ?
A:-1960
B:-1950
C:-1955
D:-1961
Correct Answer:-Question Cancelled
Question80:-Which committee is responsible for the first implementation of Trawl Ban during monsoon time in Kerala?
A:-Balakrishnan Nair Committee
B:-D. K. Singh Committee
C:-Sailas Committee
D:-P. S. B. R. James Committee
Correct Answer:- Option-A
Question81:-Where is the head office of KFWFB ?
A:-Kochi
B:-Thiruvananthapuram
C:-Alappuzha
D:-Thrissur
Correct Answer:- Option-D
Question82:-What does IUU fishing stands for ?
A:-Illegal, unreported and undersized
B:-Illegal, unreported and unregulated

C:-Expansion valve

D:-None of the above
Correct Answer:- Option-B
Question83:-The first Community Reserve of Kerala is located at
A:-Thiruvananthapuram
B:-Alappuzha
C:-Ernakulam
D:-Malapuram
Correct Answer:- Option-D
Question84:-Who is the director general of FAO ?
A:-Tedros Adhanom Ghebreyesus
B:-Abdulaziz
C:-QU Dongyu
D:-Robert M. Califf M. D.
Correct Answer:- Option-C
Question85:-Which one is considered as the coral island in India?
A:-Lakshadweep
B:-Gulf of Kutch
C:-Andaman and Nicobar Islands
D:-Gulf of Mannar
Correct Answer:- Option-A
Question86:-Which state is the largest fish producer in India ?
A:-West Bengal
B:-Andhra Pradesh
C:-Gujarat
D:-Kerala
Correct Answer:- Option-B
Question87:-How much is the continental shelf of Kerala ?
A:-41 Sq. Km
B:-45 Sq. Km
C:-48 Sq. Km
D:-49 Sq. Km
Correct Answer:-Question Cancelled
Question88:-How much is the total outlay of the PMMSY Scheme ?
A:-20000
B:-20050
C:-20200
D:-20150
Correct Answer:- Option-B
Question89:-Quinquennial Review Team (QRT) assesses the policy framework of ICAR every year.
A:-3
B:-5
C:-10
D:-12
Correct Answer:- Option-B
Question 90:-Which out of the following is the nodal agency for FISHnet?
A:-MPEDA
B:-CAA
C:-MATSYAFED
D:-FISHCOPFED

C:-Illegal, unauthorized and underutilized

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Correct Answer:- Option-D
Question91:-Integrated Fishery Development Projects implemented by Matsyafed was with the assistance of which of the following?
    A:-NCDC
    B:-NFDB
    C:-NIC
    D:-State Fisheries Department
    Correct Answer:- Option-A
Question92:-Cluster Approach in shrimp farming was being trained to farmer societies by which of the following ?
    A:-CAA
    B:-RGCA
    C:-NaCSA
    D:-NETFISH
    Correct Answer:- Option-C
Question93:-Who assumes the office as the chairman of NFDB ?
    A:-Secretary-Dept. of Fisheries
    B:-Joint Secretary-Dept. of Fisheries
    C:-Additional Secretary-Dept. of Fisheries
    D:-Minister of State Fisheries, Animal Husbandry and Dairying
    Correct Answer:-Question Cancelled
Question94:-Which act holds provisions to prevent construction of shrimp farms in mangrove area, other sensitive areas and in agricultural land?
    A:-Environmental Protection Act, 1986
    B:-Coastal Aquaculture Authority Act, 2005
    C:-Biological Diversity Act, 2002
    D:-None of the above
    Correct Answer:- Option-B
Question95:-Rural Infrastructure Development Fund meant for State Government is funded by which of the following organization?
    A:-NCDC
    B:-NABARD
    C:-SCARDB
    D:-NAFED
    Correct Answer:- Option-B
Question96:-Which among the following is the apex federation of primary level welfare societies of the coastal fishery sector of Kerala?
    A:-Matsyafed
    B:-KSCADC
    C:-ADAK
    D:-FFDA
    Correct Answer:- Option-A
Question97:-Which among the following is a democratically managed society of fish workers?
    A:-TAFCOFED
    B:-Matsyabavan
    C:-KSCFF
    D:-SIFFS
    Correct Answer:- Option-D
Question98:-Who among the following developed the pearl® brand of artemia?
    A:-RGCA
    B:-CIFA
    C:-CIBA
    D:-NaCSA
    Correct Answer:- Option-A
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Question99:-Agricultural Credit Department and Rural Planning Credit Cell (RPCC) of Reserve Bank of India was replaced by which among the following?

A:-NABARD

B:-NCDC

C:-RRB

D:-SCARDB

Correct Answer:- Option-A

 $\label{eq:Question100:-Which of the following is supported by TUSMP Scheme?$

A:-Craft and Gear

B:-Aquariculture

C:-Seafood Value Addition

D:-Fish Seed Production

Correct Answer:- Option-C