PROVISIONAL ANSWER KEY

		Exam:	Project Officer
		Date of Test	06-07-2022
		Department	Apex Societies of Co operative Sector in Kerala
	į	Alphacode	A
Question1:-W	hich gear is m	ostly used in upper-stretch	of Ganga ?
A:-Gill N	let		
B:-Hook	and Line		
C:-Drag	Net		
D:-Purse	e Seine		
Correct	Answer:- Optio	n-B	
Question2:-Fi	ind out the odd	one reservoir.	
A:-Osma	an Sagar		
B:-Krish	naraj Sagar		
C:-Hima	yat Sagar		
D:-Huss	ain Sagar		
Correct	Answer:- Optio	n-B	
Question3:-W	hich of the foll	owing fishing technique is	post popular in sport fishing ?
A:-Bait o	casting		
B:-Spin-	casting		
C:-Fly-ca	asting		
D:-Spinr	ning		
Correct	Answer:- Optio	n-B	
Question4:-W	hich of the foll	owing reservoir is also kno	wn as Catla reservoir ?
A:-Satha	anur		
B:-Pong			
C:-Tawa			
	nd Ballav Pant		
	Answer:- Optio		
Question5:-In	n which zone ox	kygen is consumed for puri	fication of organic matter in lake ecosystem ?
A:-Littor			
B:-Uppe			
C:-Troph			
D:-Euph			
	Answer:- Optio		
	amily of toad fi	sh is	
A:-Lophi			
	ichoididae		
C:-Cypri			
	of these	n D	
	Answer:- Optio	owing ornamental fish is n	oot builder tune 2
A:-Zebra		owing ornamental fish is h	est builder type :
B:-Rasb			
C:-Fighte			
	e of these		
	Answer:- Optio	n-C	
correct	,ожет Орио		

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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:- Option-C		
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:-Go	odavari
C:-Ga	anga
D:-Ma	ahanadi
Corre	ect Answer:- Option-C
Question1	7:-Which is the indigenous ornamental fish ?
A:-Go	old fish
B:-Pla	aty
C:-GI	ass fish
D:-Mo	orala
Corre	ect Answer:- Option-C
Question1	8:-Setting of acquarium is also known as
A:-Aq	uasetting
B:-Aq	uascaping
C:-Aq	juarium culture
D:-Ac	quariculture
Corre	ect Answer:- Option-B
Question1	9:-Which one is the primitive larvae of Crustacea ?
A:-Zo	pea
B:-Tro	ochophore
C:-Na	auplius
D:-M	ysis
Corre	ect Answer:- Option-C
Question2	0:-Adipose fin as second dorsal fin is found in
A:-Ca	atfish
B:-St	ingray
C:-Sa	lmon
D:-Ma	ackerel
Corre	ect Answer:- Option-C
Question2	1:-Coracle fishing is performed by
A:-Or	ne man
B:-Tw	o men
C:-Th	ree men
D:-Fo	ur men
Corre	ect Answer:- Option-B
Question2	2:-Find out odd gear.
A:-Tra	aps
B:-Lir	nes
C:-Sp	pearing
D:-Ro	pad and Line
Corre	ect Answer:- Option-C
Question2	3:-The propulsion of mechanised boats would be done with the help of
A:-Sa	ils
B:-Oa	ars
C:-En	ngine
D:-Wi	ind
Corre	ect Answer:- Option-C
Question2	4:-The reduction in the length of a material is known as
A:-Tei	nsile Strength
B:-Sh	ırinkage
C:-Ter	nacity

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-C 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:- Option-D		
Question35:-In aquaculture ponds high level of \mathcal{CO}_2 is expected during		
A:-6.00 AM		
B:-11.00 AM		
C:-7.00 PM		
D:-3.00 PM		
Correct Answer:- Option-C		
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-D		
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
Quest	tion50:-Brown blood disease of fish is linked to
A	A:-Ammonia
E	B:-Nitrate
(C:-Nitrite
[D:-Iron salts
(Correct Answer:- Option-C
Quest	tion51:-Species ratio in polyculture is decided factoring in
A	A:-Artificial feed availability
E	B:-Seed availability
(C:-Feeding niches and interspecific competition
[D:-Water availability
(Correct Answer:- Option-C
Quest	tion52:-The largest catfish in freshwater is
A	A:-Wallago attu
E	B:-Heteropneustus fossilis
(C:-Clarious batrachus
[D:-Mystus sheengala
(Correct Answer:- Option-A
Quest	tion53:-The following factor merits least consideration in selecting a species for aquaculture
A	A:-Growth rate
E	B:-Disease resistance
(C:-Market demand
[D:-Auto breeding potential in ponds
(Correct Answer:- Option-D
Quest	tion54:-The best option for eradication of insects in aquaculture nurseries is
A	A:-Soap oil emulsion
E	B:-Repeated fine mesh drag netting
(C:-Gamamaxan spray
[D:-Dipterex crystal application
(Correct Answer:- Option-A
Quest	tion55:-Bacterial haemorrhagic septicaemia in fish is caused by
A	A:-Aeromonas liquifaciens
E	3:-Aeromonas hydrophila
(C:-Flavobacterium
[D:-Flexibacter
(Correct Answer:- Option-B
Quest	tion56:-For fry production of tilapia in ponds, the brood fish are stocked in male to female ratio of
A	A:-1:2
E	3:-1:3
(C:-1:5
[D:-1 : 6
(Correct Answer:- Option-B
Quest	tion57:-Which one of the following is widely used in crustacean hatchery as initial food for rearing larvae ?
A	A:-Brachionus
E	3:-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:- Option-A
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
    Correct Answer:- Option-B
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Question66:-Black spot formation or melanosis in shrimp occurs due to the reaction of the following components

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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

C:-Expansion valve	
D:-Flash Chamber	
Correct Answer:- Option-A	
Question 75:-Which of the following omega-3 fatty acids have been associated with fetal development, cardiovascular function, and Alzheimer's disease	e
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	
Question77:-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:- Option-B	
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	

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:- Option-A
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
Question90:-Which out of the following is the nodal agency for FISHnet?
A:-MPEDA
B:-CAA
C:-MATSYAFED
D:-FISHCOPFED

C:-Illegal, unauthorized and underutilized

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:- Option-A 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

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