# 204/2015

1.	Deer	pest parts of the	e oceans	are called	:						
	(A)	Mid-ocean rid			(B)	Sear	nount				
	(C)	Trench	B-0		(D)		tinental shelf				
2.	The	most abundant	compo	nent of sea	water	is:					
	(A)	Chlorine	(B)	Sulphate		(C)	Sodium	(D)	Potassium		
3.		average speed			an is :						
	(A)	200 m/s	(B)	800 m/s		(C)	1500 m/s	(D)	2500 m/s		
4.	The	layer where oc	ean tem	perature de	ecrease	es rap	idly with depth	is calle	d :		
	(A)	Halocline	(B)	Pycnoclin	e	(C)	Thermocline	(D)	SOFAR channel		
5.	On t	he average, sea	surface	salinity is	:						
	(A) Maximum at the equator				(B)	Maximum around 30 degrees latitude					
	(C)				(D)	None of the above					
6.	Heat	t lost by sea due	e to eva	poration is	called	:					
	(A)	Shortwave ra	diation		(B)	Long	gwave radiation	1			
	(C)	Latent heat			(D)	Sens	ible heat				
7.				TO THE COURSE OF THE PARTY OF T			e sound source ocean depth is		urface to the ocean		
	(A)	2250 m	(B)	4500 m		(C)	9000 m	(D)	9500 m		
8.	Cori	olis force at the	equato	r is :							
	(A)	Maximum			(B)	Zero	)				
	(C)	Varies with lo	ongitude		(D)	Vari	es with depth				
9.	Wind stress is proportional to :										
	(A)	Wind speed			(B)	Squa	are of wind spec	ed .			
	(C)	Cube of wind	speed		(D)	Squa	are root of wind	speed			
10.	In th	ne ocean, light i	ntensity	:							
	(A)	Increases line	arly wit	h depth							
	(B)	Decreases line	early wi	th depth							
	(C)	Increases expe	onential	ly with dep	oth						
	(D)	Decreases exp	onentia	lly with de	pth						

11.	The major limiting nutrient in culture ponds:										
	(A)	Phosphorus	(B)	Nitrogen		(C)	Potassium	(D)	Calcium		
12.		te hepatopancreat merging disease			e, po	pular	ly known as E	arly mo	tality syndrome is		
	(A)	Indian major ca	rps		(B)	Mac	robrachium ros	enbergii			
	(C)	Penaeus vannam	ei		(D)	Pang	gasius sp.				
13.		has to be	applie	ed to ponds	to in	crease	pH after stock	king of fi	shes/shrimps.		
	(A)	Quick lime			(B)	Agr	icultural lime		7 S. C. S. S.		
	(C)	Gypsum			(D)	Slak	ed lime				
14.	Peas	oup green colour	of wa	iter is often a	assoc	iated	with this algae	:			
	(A)	Microcystis	(B)	Anabaena		(C)	Euglena	(D)	Spirogyra		
15.	The	paddle wheel aer	ator c	ommonly us	ed ir	shrii	np culture por	nds is an	example of :		
	(A)	Gravity aerator			(B)	Diff	user aerator				
	(C)	Surface aerator			(D)	Buck	ket dissipater t	ype			
16.	Ovaj	prim used for fish	breed	ling consists	of:						
	(A)	Natural salmon	GnRF	I							
	(B)	Pituitary extract and domperidone									
	(C)	Synthetic analogue of sGnRH									
	(D)	Synthetic analog	gue of	sGnRH and	don	nperio	lone				
17.	The number of days normally taken by Macrobrachium rosenbergii larvae to settle as pos- larvae at 28-32°C:										
	(A)	22 - 26 days	(B)	35 - 38 day	s	(C)	15 - 18 days	(D)	32 - 35 days		
18.	The :	scientific name of	silver	pompano, t	he ca	ptive	breeding of w	hich has	been standardized		
	(A)	Trachinotus mooi	kalee		(B)	Epin	ephelus coioides	9			
	(C)	Rachycentron car	nadum		(D)	Trac	hinotus blochii				
19.	A w	dely used cryopr	otecta	nt for fish sp	perm	atozo	a is :				
	(A)	Buffered formal	in		(B)	Ethy	l alcohol				
	(C)	DMSO			(D)	Isop	ropyl alcohol				
204/	2015				4				A		

20.	The members of this group of fishes are non - guarders scattering eggs:									
	(A)	Cichlids			(B)	Gou	ramis			
	(C)	Tetras and ba	rbs		(D)	Gup	pies and molli	es		
21.	The	zone of shallow	water	near the sh	ore is	called	l:			
	(A)	Oceanic Provi	ince		(B)	Con	tinental Shelf			
	(C)	Neritic Provin	ice		(D)	Con	tinental Slope			
22.	Metl	hylene Blue is a	:							
	(A)	Basic dye			(B)	Acid	lic dye			
	(C)	Neutral dye			(D)	Non	e of the above			
23.	Whi	ch one of the fo	llowing	does not in	ndicate	a spe	ecies diversity	index ?		
	(A)	H index			(B)	Shar	nnon diversity	index		
	(C)	Pielou's evenr	ness		(D)	Mar	galef's index			
24.	An a	igent or a facto	r which	causes mal	forma	tion o	of an embryo i	s known	as:	
	(A)	Carcinogen			(B)	Tera	ntogen			
	(C)	Mutagen			(D)	Alle	rgen			
25.	Ram	sar convention	was he	ld in :						
	(A)	USA	(B)	India		(C)	Japan	(D)	Iran	
26.	IPC	C headquarters	is locate	ed at:						
	(A)	New York	(B)	Geneva		(C)	London	(D)	Rome	
27.	Whi	ch one of the fo	llowing	is a keysto	ne spe	ecies i	n a Kelp forest	?		
	(A)	Sea Otter	(B)	Starfish		(C)	Parrot fish	(D)	Shark	
28.	Wha	at is function of	immers	sion oil in a	n oil ir	nmer	sion objective o	of light n	nicroscope ?	
	(A)	Increase mag			(B)					
	(C)	Improve cont	rast		(D)	Non	ne of the above			
29.		etic material po mosomal entity			capac	ity to	exist either a	s an extr	a chromosomal or	
	(A)	Episome	(B)	Autosome	е	(C)	Mesosome	(D)	Oxysome	
30.	Bioi	ndicators cover	a wide	spectrum o	f orga	nisms	serving as inc	dicators c	of:	
	(A)	Water	(B)	Climate		(C)	Air	(D)	Environment	
A					5				204/2015	

{P.T.O.}

31.	Which one of the follo	wing nutrient cyc	le is consid	ered as sedime	entary t	ype?
	(A) Carbon cycle			phorus cycle		The hear
	(C) Nitrogen cycle		(D) Mang	ganese cycle		
32.	Fundamental status of	an organism in it	s communi	ity is known as	3 :	
	(A) Ecological niche		(B) Edap	hic factor		
	(C) Trophic level		(D) Prima	ary producer		
33.	Which one of the follow	wing organisms p	ossesses Aı	ristotle's lanter	n?	
	(A) Asterias	(B) Ophiothrix	(C)	Antedon	(D)	Echinus
34.	Analytical characters a	re generally expre	essed in ter	ms of :		
	(A) Chi-square test		(B) 3 - pc	oint test		
	(C) 5 - point test		(D) None	of the above		
35.	BOD of the waste wate	er after secondary	treatment			
	(A) Will increase	(	(B) Will e	decrease		
	(C) Remain the same	(	(D) None	of the above		
36.	Catla catla belongs to the	ne family :				
	(A) Cichlidae	(B) Cyprinidae	(C)	Scombridae	(D)	Mullidae
37.	Larval form of lobsters	is known as :				
	(A) Phyllosoma	(B) Megalopa	(C)	Veliger	(D)	Mysis
38.	Which of the following	factors will affect	the Hardy	- Weinberg E	quillibri	um ?
	(A) Genetic drift	(	B) Natur	al selection		
	(C) Mutation	(	D) All of	the above		
39.	The maximum number known as:	of individual tha	t can be su	apported in a	habitat	at a given time i
	(A) Biotic potential	(1	B) Carryi	ing capacity		
	(C) Vital index	(1	D) Aggre	gation		
40.	Which one of the follow	ving country exert	s maximur	n carbon foot	print ?	
	222 22	B) Japan	(C) I		(D)	India
204/	2015		6			

#### 41. Potential benefits of MPA:

- (A) (i) Protection of marine species (ii) Protection of fixed, critical habitats (iii) Protection of coral reefs, estuaries
- (i) Protection of marine species (ii) Protection of marine seas (iii) Construction of marineparks
- (C) (i) Construction of aquapark (ii) Construction of large marine aquarium
- (D) All the above

## Motivation theories were proposed by :

- (A) (i) Frederick Herzberg (ii) Abraham Maslow (iii) Douglas Mc Gregor
- (B) (i) Max Weber (ii) F.W. Taylor (iii) Henry Fayol
- (C) All the above
- (D) None of the above

#### 43. Input controls are:

- (A) (i) Total Allowable Catch (ii) Individual Quotas (iii) Escapement Targets
- (B) (i) Fleet size (ii) Vessel capacity (iii) Fishing Effort (iv) Fishing area/Boat
- (C) (i) Gear Limitations (ii) Closed areas (iii) Closed seasons
- (D) All the above

#### 44. Output controls are:

- (A) (i) Gear Limitations (ii) Closed areas (iii) Closed seasons
- (B) (i) Fleet size (ii) Vessel capacity (iii) Fishing Effort (iv) Fishing area/Boat
- (C) (i) Total Allowable Catch (ii) Individual Quotas (iii) Escapement Targets
- (D) All the above

## 45. Rights in fishery systems:

- (A) (i) Open access (ii) Limited entry (iii) Trip limits
- (B) (i) Use rights (ii) Access rights (iii) Harvest Rights
- (C) (i) TURF (ii) Management rights (iii) Property rights
- (D) All the above

# 46. Sustainability in fishery systems includes:

- (A) (i) Ecological Sustainability (ii) Socioeconomic Sustainability
- (B) (i) Community Sustainability (ii) Institutional Sustainability
- (C) Both (A) and (B)
- (D) None of the above

7

- 47. International agencies involved in fishery management and development :
  - (A) (i) FAO (ii) UNDP (iii) IPFC (iv) IOFC
  - (B) (i) ICLAARM (ii) GFCM (iii) IUCN (iv) AIT
  - (C) (i) FAO (ii) UNDP (iii) IPFC (iv) CRY
  - (D) All the above

### 48. EU Regulation to prevent IUU:

- (A) Illegal, Unregistered and Unregulated fishing, entered into force on 1 January 2001
- (B) Illegal, Unrecorded and Unregulated fishing, entered into force on 1 January 2010
- (C) Illegal, Unregistered and Unregulated fishing, entered into force on 1 January 2010
- (D) Illegal, Unreported and Unregulated fishing, entered into force on 1 January 2010

### 49. Certifications in fisheries management :

- (A) (i) Catch certification (ii) Green certification (iii) MSC (iv) MAC
- (B) (i) ISO 9000 (ii) BRC (iii) HACCP (iv) ISO 22000
- (C) None of the above
- (D) All the above

### 50. Biological Diversity Act, 2002:

- (A) Act of the Parliament of India for Preservation of biological diversity in India
- (B) It provides mechanism for equitable sharing of benefits arising out use of traditional biological resources and knowledge
- (C) The Act was enacted to meet the obligations under Convention on Biological Diversity (CBD)
- (D) All the above

#### 51. KMFR Act, 1980:

- (A) Kerala Marine Fishing Regulation Act, 1980
- (B) Amended by Act 21 of 1991
- (C) An Act to provide for the regulation of fishing by fishing vessels in the sea along the coast line of the State
- (D) All the above

# 52. Trawl ban in Kerala in the year 2015 is for :

- (A) (i) 45 days (ii) June 15 to July 30 (iii) Not joined the uniform ban
- (B) (i) 47 days (ii) June 15 to July 31 (iii) Not joined the uniform ban
- (C) (i) 61 days (ii) June 1 to July 31 (iii) Uniform ban period for whole of India
- (D) (i) 47 days (ii) midnight of June 14 to midnight of July 31 (iii) Uniform ban period for whole of India

53.	UNCLOS:
	(A) The United Nations Convention on the Law of the Sea
	(B) Law of the Sea Convention
	(C) Law of the Sea treaty
	(D) All the above
54.	Matsyasamrudhi is a project of Kerala State fisheries aiming at :
	(A) Integrated development of inland fisheries and aquaculture
	(B) Implemented in 14 districts of the state
	(C) Provided extension of Karimeen production in ponds, cages etc.
	(D) All the above
55.	Departments, Institutions and organizations under the fisheries department of Kerala:
	(A) (i) Matsyafed (ii) FFDA (iii) BFFDA (iv) KFWFB
	(B) (i) Marine Enforcement (ME) (ii) Harbour Engineering Department (HED)
	(C) (i) Agency for development of Aqua Culture
	(D) All the above - (A), (B) and (C)
56.	Redline Torpedo Barb is :
	(A) (i) Puntius denisonii (ii) Miss Kerala (iii) Indigenous ornamental fish
	(B) (i) Top exported ornamental fish (ii) Exotic (iii) Cyprinid fish
	(C) (i) Endemic (ii) Endangered (iii) Sahyadria denisonii
	(D) (A) and (C)
57.	State fish of Kerala :
	(A) (i) Etroplus suratensis (ii) Green chromide (iii) Pearlspot
	(B) (i) Rastralliger kanagurta (ii) Mackeral
	(C) (i) Sardinella longiceps (ii) Sardine
	(D) (i) Miss Kerala (ii) Puntius denisonii (iii) Indigenous ornamental fish
58.	Which species of prawn now dominates the exports from India ?
	(A) Penaeus monodon (B) Metapenaeus dobsoni
	(C) Parapeneopsis stylifera (D) Litopenaeus vannamei
59.	Information about netmouth opening, depth and position of net relative to fish is found

(A) (i) Net recorder (ii) Net sonde (iii) Trawl eye

(i) Gear monitoring system (ii) SONAR (iii) Ecogramme (B)

(C) (A) and (B)-

(D) None of the above

A

AT 25	G896-249			min.	
60.	SC	10.1	$\alpha$	12.	A
UU.	The Park	72.74	4.3	1.7	-

- (A) (i) Satellite Navigation and ranging (ii) Aimed purse seining and trawling (iii) Horizontally scanning echosounder
- (B) (i) Sound Navigation and ranging (ii) Aim purse seining and trawling (iii) Horizontally scanning echosounder
- (C) (i) Sound Navigation and radiating (ii) Aimed purse seining and trawling (iii) Horizontally scanning echosounder
- (D) All the above

## 61. Longlines are:

- (A) (i) Passive fishing gears (ii) highly fuel efficient (iii) Ecofriendly
- (B) (i) Gravel line (ii) Floats (iii) Sinkers (iv) Buoys
- (C) (i) Snood wire (ii) Sekiyama (iii) Branch line (iv) Buoy lines
- (D) All the above
- 62. On the basis of bio-physico characteristics seas have different zones :
  - (A) Pelagic zone, Benthic zone, Neritic zone, Oceanic zone
  - (B) Epipelagic, Mesopelagic, Bathypelagic, Benthopelagic
  - (C) None of the above
  - (D) (A) and (B)

## 63. Trolling is:

- (A) Passive fishing method
- (B) Active fishing method
- (C) Type of fishing craft
- (D) None of the above

# 64. Edible Oysters are :

- (A) Crassosotrea madrasensis
- (B) Crassosotrea cucullata
- (C) Crassosotrea discoides
- (D) All the above
- 65. Bombay duck, Harpodon nehereus (Hamilton) belong to the family :
  - (A) Syngnathidae

(B) Schilbeidae

(C) Sciaenidae

- (D) None of the above
- 66. Commercially important catfishes in India belong to the family :
  - (A) Plotosidae

(B) Tachysuridae

(C) Both (A) and (B)

(D) None of the above

67.	Molluscan fisheries is constituted by the taxonomic class:								
	(A)	Lamellibranchia	1		(B)	Gas	tropoda		
	(C)	Cephalopoda			(D)	All	he above		
68.		ne a computer sof quency distribution			lp of	which	the fish stock as	ssessme	ent by using length
	(A)	ELEFAN	(B)	BIOEDIT		(C)	PRIMER	(D)	ARNEQUIN
69.	Tota	l marine capture	fish p	production is	n Indi	a dur	ing 2013 - 14 :		
	(A)	1.9 million tonn	es		(B)	2.1 1	nillion tonnes		
	(C)	3.4 million tonn	es		(D)	6.1 1	nillion tonnes		
70.	Tota	l inland fish prod	luctio	n in India d	uring	2013	- 14 :		
	(A)	3.14 million ton	nes		(B)	4.14	million tonnes		
	(C)	5.14 million to	nnes		(D)	6.14	million tonnes		
71.	Fibre	ous protein prese	nt in	connective t	issue				
	(A)	Actin	(B)	Myosin		(C)	Actinomyosin	(D)	Collagen
72.	Com	plete oxidation o	f one	molecule of	gluco	se int	o CO <sub>2</sub> and H <sub>2</sub> O	yields	
	(A)	8 ATP equivalen	nts		(B)	15 A	ATP		
	(C)	30 ATP			(D)	38 /	TP		
73.	Fish	fat is nutritionall	y imp	portant becu	ase of	the p	resence of :		
	(A)	PUFA	(B)	Glycerol		(C)	Phospholipids	(D)	Monoglycerol
74.	Dry	ice is :							
	(A)	Freon			(B)	Liqu	iid ammonia		
	(C)	Liquid Nitrogen	1		(D)	Soli	d carbon dioxide	;	
75.	Case	hardening is see	n in f	fishes during	g :				
	(A)	Freezing	(B)	Drying		(C)	Canning	(D)	Salting
76.	Vibr	io parahaemolyticu	s is fo	ound in :					
	(A)	Marine waters			(B)	Fres	h waters		
	(C)	Both of the above	ve		(D)	Nei	ther of the above		

77.	HA	CCP is:			
	(A)	Freezing technology develope	ed by US	SFDA	
	(B)	Freezing methods imposed by	USFDA	A	
	(C)	Quality management system	imposed	by EIA	
	(D)	Quality management system	imposed	l by USFDA	
78.	TQN	M means :			
	(A)	Total Quotient Management	(B)	Total Quality Management	
	(C)	Total Quadra Management	(D)	Total Quantity Management	
79.	Exp	ort Inspection Agency is admin	istered by	by Ministry of :	
	(A)	Agriculture (B) Foreign	n trade	(C) Commerce (D) Foreign af	fair
80.	The	ratio of ice to fish during icing	is:		
	(A)	1:2 (B) 2:1		(C) 1.5:2 (D) 2:1.5	
81.	One	of the greatest literary works	of Lalitha	ambika Antharjanam :	
	(A)	Vishakanyak	(B)	Agnisakshi	
	(C)	Nalukettu	(D)	Oru Theruvintekatha	
82.	The	name of publication started fro	m Kozhi	ikode in October 1924 :	
	(A)	Al Islam (B) Mathro	ıbhumi	(C) The Deepika (D) Al Amin	
83.	The	credit for having laid the found	lations of	of western eduction in Malabar area goes	to:
	(A)	CMS Missionaries	(B)	Prussian Missionaries	
	(C)	British Missionaries	(D)	Basel German Evangelical Missionaries	
84.	The	R.T.E Act was implimented in l	India on		
	(A)	26 August 2009	(B)	10 July 2010	
	(C)	1 April 2010	(D)	30 March 2011	
85.	Whi	ch of the following is not a juris	diction o	of the Supreme Court ?	
	(A)	Supervisory jurisdiction	(B)	Appellate jurisdiction	
	(C)	Advisory jurisdiction	(D)	Original jurisdiction	
86.	Who	was the captain of the Volunte	eer corps	s of Guruvayur Sathyagraha movement ?	
	(A)	A.K. Gopalan	(B)	K. Kelappan	
	(C)	T. Subramanian	(D)	T.K. Madhavan	

204/2015

87.		o issued an order permitting the over their bodies?	Channa	r woman, who become converts to Christianity
	(A)	Rev. Mateer	(B)	Rev. Mead
	(C)	Dr. Gundert	(D)	Col. Munroe
88.	Who	founded Samatva Samajam ?		
	(A)	Vaikunta Swami	(B)	Sree Narayana Guru
	(C)	Swami Vagbhatananda	(D)	Chattampi Swami
89.	The	power to increase the number of	judges	in the Supreme Court of India is vested in :
	(A)	The President of India	(B)	The Parliament
	(C)	The Chief Justice of India	(D)	The Law Commission
90.	Whe	en was Mangalyan launched ?		
	(A)	26 January 2013	(B)	8 August 2013
	(C)	11 October 2013	(D)	5 November 2013
91.	Whi	ch unfortunate event took place	in 1905	?
	(A)	Jallian Walla Bag massacre	(B)	Surat Split
	(C)	Partition of Bengal	(D)	Death of Bala Gangadhara Tilak
92.	The (A)	famous journalist mentioned in t G. Parameswaran Pilla	he auto	biography of Mahatma Gandhi :
	(B)	G. Govinda Pilla		
	(C)	Swadeshabhimani Rama Krishi	na Pilla	
	(D)	V.K. Krishna Menon		
93.	Who	among the following was award	led the	Nobel prize in literature in 2014 ?
	(A)	Shuji Nakumura	(B)	Edvard L. Mosev
	(C)	Teju Cole	(D)	Patrick Modiano
94.	Mah	ar Movement was initiated by :		
	(A)	Jyotiba Phule	(B)	B.R. Ambedkar
	(C)	Ram Mohan Roy	(D)	Atmaram Pandurang
95.	Who	is the recipient of the 49 <sup>th</sup> Jnan	oith aw	ard ?
257.5	(A)	Firaq Gorakhpuri	(B)	V.K. Gokale
	(C)	Kedarnath Singh	(D)	Natwar Singh

204/2015 . {P.T.O.}

96.		at is the power of the I od ?	President not t	to tak	e any action on a bill p	ending	it for an indefinite
	(A)	Pocket Veto (B)	Crossing		(C) Ordinance	(D)	Pardon
97.	Who	wrote "The Accident	ntal Prime M	iniste	r: The making and u	ınmak	ing of Manmohan
	(A)	Anitha Nair		(B)	Joy Battacharya		
	(C)	Sanjaya Baru		(D)	Faraz Ahammed		
98.	Whi	ch poem of kumarana	asan portrays	the c	haracter of Mathangi	?	
	(A)	Karuna	A high rain	(B)	Veenapoovu		
	(C)	Leela		(D)	Chandala bhikshuki		
99.	The	summer Olympics of	2016 will be l	neld is	n :		
	(A)	South Korea		damen's	Germany		
	(C)	Brazil		(D)	Qatar		
100.	The	National Womens day	v is celebrated	l on t	he Birth day of :		
	(A)	Annie Besant		(B)	Indira Gandhi		
	(C)	Kasturba Gandhi		(D)	Sarojani Naidu		

-000-

14