PSC Other Research Assistant -Zoology - Fisheries Examination Previous Year Question Paper

Exam Name: Other Research Assistant - Zoology - Fisheries

Date of Test: 06.04.2016

Question Paper Code: 047/2016

Medium of Questions: English



047/2016

				Time: 1 hour and 15 minutes
1.	Viral repl	lication within cells is inhibited by		
	(A)	IL-4	(B)	IL-1
	(C)	IFN alpha	(D)	TNF alpha
2.	A baby's f	first breath is facilitated by a specia	al coating	which is produced by lungs:
	(A)	Pyridoxine .	(B)	Ferritin
	(C)	Carbon dioxide	(D)	Surfactant
3.	Arrhenote	okous parthenogenesis is exhibited	by:	
	(A)	Artemia	(B)	Daphnia
	(C)	Weevils	(D)	Bees
4.	Colourles	s plastids which are found in embr	yonic and	germ cells :
	(A)	Leucoplasts	(B)	Chromoplasts
	(C)	Elaioplasts	(D)	Sterinoplast
5.	Most pois	onous vertebrate on earth:		
	(A)	Jelly Fish	(B)	Golden Dart Frog
	(C)	Brazilian wandering Spider	(D)	Puffer fish
6.		fin that is asymmetrical internally ted and slightly bent upward at the	Application of the state of the	rical superficially but vertebral column own as:
	(A)	heterocercal	(B)	homocercal
	(C)	protocercal	(D)	diphycercal
7.	In Philad	elphia Syndrome :		
	(A)	translocation between 8 and 14 c	hromosom	e occurs
	(B)	translocation between 9 and 22 c	hromosom	e occurs
	(C)	inversion between 5 and 9 chrom	osomes	
	(D)	addition in between 9 and 22 chr	omosomes	
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Maximum: 100 marks

8.	DNA pro	ofiling technique to demon	strate the similari	ty between different animal species wi
	(A)		(B)	
	(C)	Animal Blot	(D)	
9.	If a gene termed a	product in Species A is	90% similar to ger	ne product in Species B. Such genes an
	(A)	Orthrologous	(B)	Paralogous
	(C)	Allologous	(D)	Perilogous
10.	Phleboto	mus is commonly known a	as:	
	(A)	Rockfly	(B)	Sandfly
	(C)	Butterfly	(D)	Damselfly
11.	Name a f	reshwater sponge :		
	(A)	Scypha	(B)	Leucosolenia
	(C)	Grantia	(D)	Spongilla
12.	Which of	the following is known as	eve worm?	
	(A)	Loa	(B)	Entrobius
	(C)	Dracunculus	(D)	Rhabditis
13.	Caviar is	prepared from :		
	(A)	Polypterus	(B)	Acipencer
	(C)	Polydon	(D)	Lepidosteus
14	Who name	ed Archaeopteryx?		
	(A)	Von Euler	(D)	
	(C)	Charles Darwin	(B)	Andrew Wagner
				Von Meyer
15.	How many	molecules of ATP are for	med when 1 mole o	of glucose is converted to Lactic Acid:
	(A)	2 ATP	(B)	4 ATP
	(C)	6 ATP	(D)	8 ATP
16.	Omega oxi	dation takes place in :		
	(A)	Plants	(B)	Yeast
	(C)	Fungi	(D)	Bacteria
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17.	Which of	the following is a ketogen	ic aminoacid?		
	(A)	Alanine	(B)	Glutamine	
	(C)	Tyrosine	(D)	Aspargine	
18.	Name the	amino nitrogen excreted	by spiders :		
	(A)	Adenine	(B)	Guanine	
*	(C)	Cytosine	(D)	Xanthine	
19.	Phosphag	ens used in vertebrates a	re derived from :		
	(A)	Creatine	(B)	Ascorbic Acid	
	(C)	Acetylcholine	(D)	Arginine	
20.	Which of	the muscle is syncytial?			
	(A)	Flight Muscle	(B)	Catch Muscle	
	(C)	Cardiac Muscle	(D)	Fibrillar Muscle	
21.	Field and	Spiro theory emphasizes	the involvement of	following in blood coag	ulation :
- A	(A)	Thrombokinase	(B)	Thrombin	
	(C)	Thromboplastin	(D)	Calcium ions	
22.	Angiotens	sinogen is converted into A	Angiotensin by the	enzyme :	
	(A)	Prorenin	(B)	Renin	
	(C)	Rennin	(D)	Protease	
23.	Which of	the following is the inhibit	tory mediator in th	e brain?	
	(A)	Acetyl choline	(B)	Noradrenaline	
	(C)	Seratonine	(D)	GABA	
24.	Muscle to	ne is maintained in the m	uscle by :		
	(A)	Stretching	(B)	Relaxation	
	(C)	Partial contraction	(D)	Flexion	
25.	Name the	hormone which induces l	actation in mamma	als:	
	(A)	Progesterone	(B)	Relaxin	
	(C)	Oxytocin	(D)	Oestrogen	
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26.	Name bio	chemical compound present in	FSH:	
	(A)	Glycoprotein	(B)	Polypeptide
	(C)	Steroid	(D)	Aminoacid
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27.		s is caused by :	(TI)	0.1.11
	(A)	Thyroxine	(B)	Calcitonin
	(C)	Triodothyronine	(D)	Parathormone
28.	Recognition	on and destruction of mutant ce	ells is called :	
	(A)	Homeostasis	(B)	Surveillance
	(C)	Phagocytosis	(D)	Apoptosis
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29.		cell surface marker of NK cell		
	(A)	CD ³	(B)	CD ⁴⁺
	(C)	CD ⁵⁶⁺	(D)	CD ⁸⁺
30.	Free linki	ng immunoglobulin molecule cl	nains:	
	(A)	S-H bond	(B)	H-H bond
	(C)	S-S bond	(D)	Peptide bond
31.		the following antibody is secret		
	(A)	IgA	(B)	IgD
	(C)	IgE	(D)	1gM
32.	Protein of	the alternate complement path	way factor D	:
	(A)	α globulin	(B)	β globulin
	(C)	∞ globulin	(D)	delta globulin
33.		ss I antigens expressed on all ce	ells except :	
	(A)	Monocytes	(B)	T-Lymphocytes
	(C)	B-Lymphocytes	(D)	Trophoblasts
34.	HLA Anti	gen associated with Rheumatoi	d arthritis :	
	(A)	DR3	(B)	DR4
	(C)	DR2	(D)	DR7
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35.	Which T	cell subset stimulate B-cell to produce	e antibo	dy?
	(A)	T _H cell	(B)	T _{DTH} cell
	(C)	T _c cell	(D)	CTL cell
36.	Name the	target antibody of Myastenia gravis		
	(A)	Insulin receptor	(B)	TSH receptor
	(C)	Ach receptor	(D)	Adrenergic receptor
37.	Which of human ge		esent in	the highest numbers in the within the
	(A)	Minisatellite	(B)	Microsat
	(C)	SNP	(D)	RFLP
38.	The unus	ual property of Taq Polymerase that	is critica	al to the PCR is its:
	(A)	ability to use ddNTPs as substrate	(B)	ability to use dNTPs as substrate
	(C)	ability to use RNAs as template	(D)	thermostability
39.	Which of	the following is not characteristic of	genomic	libraries?
	(A)	They contain random fragments of	genomic	DNA
	(B)	They contain introns as well as exo	ns	
	(C)	They include cDNA copies		
	(D)	They contain all the above		
40.	Which of	the following enzyme activities has a	n RNA	component?
	(A)	RNAase P	(B)	Peptidyl transferrase
	(C)	Telomaerase	(D)	All of the above
41.	Among the		used fo	r preserving pituitary gland meant for
	(A)	Formalin	(B)	Malachite Green
	(C)	Methylene Blue	(D)	Acetone
42.		ate with the highest marine capture Statistics (2014) is:	e fisheri	es production as per the latest Indian
	(A)	Andhra Pradesh	(B)	West Bengal
	(C)	Gujarat	(D)	Kerala
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3	(C)	Andrectomy	(D)	Androgenesis
	(A)	Y-Y Super male technique	(B)	Testosterone therapy
51.	All male	seed production in freshwater praw	ns is brou	ight about by:
	(C)	Algae	(D)	All of the above
	(A)	Copepods	(B)	Artemia
50.	Zoea larv	ae of the marine shrimp Penaeus m	onodon fe	eeds on :
	(C)	EHP	(1)	nummescent wisease
	(A)	AHPND	(B) (D)	Luminescent disease
49.		of Vibrio parahaemolyticus causes t		White spot disease
				11.2
	(C)	September - February	(D)	November – April
10.	(A)	June - November	(B)	August – January
48.	Normal s	eason for prawn filtration in Pokka	li fields of	Kerala is:
	(C)	4 mg/L	(D)	6 mg/L
	(A)	0 mg/L	(B)	2 mg/L
47.		limit of total nitrogen (as N) in as recommended by CAA is:	the wast	te water discharged from aquaculture
	(C)	Wet	(D)	Dry
	(A)	Hot	(B)	Cold
46.	Which me	ethod of stripping is most preferred		
	(0)			
	(C)	60 PL/m ²	(D)	80 PL/m ²
	(A)	40 PL/m ²	(B)	50 PL/m ²
45.		recommended stocking density of guidelines in India is:	Litopenae	us vannamei post-larvae for farming as
	(C)	Tea seed cake	(D)	Mahua oil cake
	(A)	Dichlorvos	(B)	Ammonium sulphate and lime
44.	Which of	the following, is not recommended	for eradica	ation of weed fish in ponds?
	(C)	Gynogenetic	(D)	Androgenic
	(A)	Protandrous hermaphrodites	(B)	Protogynous hermaphrodites
43.	Groupers	are:		

52.	Ovaprim	is:		
	(A)	FSH and LH	(B)	GnRH and dopamine blocker
	(C)	HCG	(D)	17 beta-estradiol
53.	Among th		the I	FAO Code of Conduct for Responsible
	(A)	The Code is global in scope	(B)	The Code is non-voluntary
	(C)	Applies to fisheries and aquaculture	(D)	None of the above
54.	Which of	the following fish has the highest water	r cont	ent?
	(A)	Anchovies	(B)	Sardine
	(C)	Mackerel	(D)	Bombay duck
55.	About 65-	70% of the protein in fish is composed	of	
	(A)	Sarcoplasmic protein	(B)	Myofibrillar protein
	(C)	Collagen	(D)	Albumin and globulin
56.	Effective	inhibition of toxin producing Chlostrid	ium be	otulinum in fish is by:
	(A)	Packing in oxygen	(B)	Packing in ozone
	(C)	Packing in argon	(D)	Packing in ammonia
57.	Which of	the following is a common causative of	off-fla	avour in farmed fish meat:
	(A)	8-iso-prostaglandin	(B)	17 beta estradiol
	(C)	2-methyl-isoborneol	(D)	2-acetyl phenothiazine
58.	Which of	the following, if present, is a major qua	ality in	ndicator of canned tuna?
	(A)	Lactic Acid	(B)	Histamine
	(C)	Tryptamine	(D)	Volatile fatty acids
59.	Stiffening	g of muscle of fish after it is dead is cal	led:	
	(A)	Denaturation	(B)	Gelatinization
	(C)	Rigor mortis	(D)	Hypertonia
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	contact? (A) (C)	Salmonella			
	-	Daniena	(B)	Pseudomonas	
		Escherichia coli	(D)	Staphylococcus	
61.	Ciguatera	a poisoning is caused by eating	certain:		
	(A)	Copepods	(B)	Bivalves	
	(C)	Reef fish	(D)	Sea cucumbers	
62.	Which of	the following chemicals is not a	regular comp	ponent of synthetic seawater?	
	(A)	Sodium bicarbonate	(B)	Lithium chloride	
	(C)	Potassium sulphate	(D)	Potassium bromide	
63.	Codex Ali	mentarius Commission was for	med in 1963 l	by:	
	(A)	WHO	(B)	WTO	
	(C)	FAO and WHO	(D)	FAO and WTO	
64.	Slipper lo	bster is:			
	(A)	Thenus orientalis	(B)	Panulirus ornatus	
	(C)	Panulirus polyphagus	(D)	Panulirus homarus	
65.	Caligus la	ongipedis is a :			
	(A)	Parasitic nematode	(B)	Parasitic copepod	
	(C)	Protozoan parasite	(D)	None of the above	
66.	The proto	zoan parasite Bonamia infects :			
	(A)	Crustaceans	(B)	Molluses	
	(C)	Lung fish	(D)	Teleosts	
67.	Time take	n by Penaeus monodon larvae f	rom egg to re	ach PL-1 stage at ~30°C is :	
	(A)	4-5 days	(B)	8-9 days	
	(C)	12-13 days	(D)	16-17 days	
68.	An organi	zation primarily to empower fis	her women in	Kerala is :	
	(A)	MATSYAFED	(B)	SAF	
	(C)	KAVIL	(D)	SIFFS	
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69.	A major e	epidemic occurring in marine fish is:	100	Market areas a second a second as the
	(A)	Aggregated Transformed Microvilli	(B)	Ich disease
	(C)	Viral Nervous Necrosis	(D)	Dropsy
70.	From Mu	mbai to Ratnagiri coast, one of the mo	st com	mon fishing crafts is of :
	(A)	Masula boat type	(B)	Dinghi type
	(C)	Satpati type	(D)	Catamarans
71.	For pelag	ic, scattered fish shoals, one of the mos	st suit	able gear types is :
	(A)	Trawl net	(B)	Trap
	(C)	Long lines	(D)	Purse-seine
72.	Which on	e among the following is not a pelagic	fish?	
	(A)	Sardinella longiceps	(B)	Rastrelliger brachysoma
	(C)	Paralichthys olivaceus	(D)	Thunnus thynnus
73.	Glochidiu	m is an important larval stage of:	NO.	
	(A)	Shrimps	(B)	Molluscs
	(C)	Crabs	(D)	Sea cucumbers
74.	The majo	r fishery of Parapenaeopsis stylifera in	India	occurs along:
	(A)	Kolachel Coast	(B)	Kollam Coast
	(C)	Karwar Coast	(D)	Malabar Coast
75.	Which of	the following is not among the Ramsar	sites i	in India?
	(A)	Periyar Lake	(B)	Ashtamudi Lake
	(C)	Sasthamkotta Lake	(D)	Wular Lake
76.	The lates	t FAO ranking of India among the wor	ld's top	marine capture fish producers is:
	.(A)	Two	(B)	Three
	(C)	Five	(D)	Seven
77.	The highe	est capture fisheries contributing regio	n of th	e world lies in :
	(A)	Northwest and Western Central Paci	fic	
	(B)	Northeast Pacific		
	(C)	Southeast Pacific		
	(D)	Indian Ocean		
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78.	Headquar	ters of NFDB is located in :			
	. (A)	Chennai	(B)	Hyderabad	
	(C)	Kochi	(D)	New Delhi	
79.	Which of	the following fish is not included	under Scheo	lule I of the Indian Wildlife Act (1	972)?
	(A)	Epinephelus lanceolatus (Grou	per)		
	(B)	Hippocampus trimaculatus (Se	ahorse)		
	(C)	Charcharhinus hemiodon (Sha	rk)		
	(D)	Puntius denisonii (Miss Kerala	1)		
80.	Which of	the following kind of fish are mo	st suited for	stocking in open water cages?	
	(A)	Interspecific hybrids	(B)	All male population	
	(C)	Triploid fish	(D)	None of the above	
81.	Which pa	rt of the Indian constitution is co	ontained the	emergency provisions?	
	(A)	XII	(B)	XV	
	(C)	XVII	(D)	XVIII	
82.	When was	s the Environment (Protection)	Act come into	force?	
	(A)	1986	(B)	1991	
	(C)	2001	(D)	2003	
83.	Who esta	blished the first printing press in	n Kerala in 1	811?	
	(A)	Sir Charles Lawson	(B)	Rev. Benjamin Bailey	
	(C)	Major Dow	(D)	Fr. Muller	
84.	Who intro	oduced 'proverty' (village school)	scheme in T	ravancore in 1871?	
	(A)	Dewan T Madhava Rao	(B)	A. Seshayya Sastri	
	(C)	T. Rama Rao	(D)	K. Krishnaswamy Rao	
85.	Who was	the first Government Inspector	of Schools in	Malabar and Canara?	
	(A)	Colonel Munroe	(B)	H.V. Connolly	
	(C)	Dr. Herman Gundert	(D)	A.F.W. Dixon	
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86.	Who was	the first president of the Travancore	Devasw	rom Board?
	(A)	Kumaranasan	(B)	Mannath Padmanabhan
	(C)	M.P. Manmadhan	(D)	N. Parameswaran Pillai
87.	When was	Poyikayil Yohannan nominated to t	he Sree	Mulam Praja Sabha for the first time?
	(A)	1921	(B)	1924
	(C)	1931	(D)	1933
88.		ng the following rulers had annound yomen have no right to wear upper cl		the lower castes including the Nadar
	(A)	Karthika Tirunal Ramavarma		
	(B)	Avittom Thirunal Balarama Varma		
	(C)	Visakam Tirunal Ramavarma		
	(D)	Moolam Thirunal Rama Varma		
89.	Which am	ong the following organisations was	founded	l in the year 1907?
	(A)	Samathwa samajam		
	(B)	Sri Narayana Dharma Paripalana	Yogam	
	(C)	Sadhujana Paripalana Sangham		
	(D)	Vaala Samudaya Parishkarani Sab	ha	
90.	Which inc	cident is associated with the Wagon T	ragedy'	?
	(A)	Paliyam Satyagraha	(B)	Kuttamkulam Satyagraha
	(C)	Malabar Rebellion	(D)	Civil Disobedience Movement
91.	Who start	ted the first Malayalam Newspaper '	Keralap	atrika' from Malabar in the year 1884?
	(A)	Chengulath Kunhirama Menon	(B)	Appu Nedungadi
	(C)	Vengayil Kunhiraman Nayanar	(D)	C.V. Raman Pillai
92.	Who wrot	e the famous Malayalam novel Ushr	namekha	ala'?
	(A)	Nandanar	(B)	Kakkanadan
	(C)	M. Mukundan	(D)	S.K. Pottakkadu
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93.	Who among the following women freedom fighters is popularly called as the "Jhansi Rani of Travancore"?			
	(A)	Lakshmi Sehgal	(B)	A.V. Kuttimalu Amma
	(C)	Accamma Cheriyan	(D)	Ammu Swaminadhan
94.	What is t	he original name of Brahmanan	da Sivayogi?	
	(A)	Kunhikannan	(B)	Nanu Asan
	(C)	Subbarayan	(D)	Karat Govindankutty Menon
95.		nded Sree Narayana Vidyalaya of the Harijans of Kerala?	a at Payyan	nur for the education and all round
	(A)	Mahatma Gandhi	(B)	Sree Narayana Guru
	(C)	Swami Anand Theerthar	(D)	Vagbhadananda
96.	In which Chandu M	The state of the s	nad conferred	d the title 'Rao Bahadur' to Oyyarathu
	(A)	1892	(B)	1895
	(C)	1896	(D)	1897
97.	Which cit	y in Congo is identified as the p	erfect place f	or HIV to spread Africa and into wider
	(A)	Kisangani	(B)	Kinshasa
	(C)	Lubumbashi	(D)	Katanga
98.	Which pri	ze is popularly known as the No	bel Prize in l	Mathematics?
	(A)	Abel Prize	(B)	Vetlesen Prize
	(C)	Jean Nicod Prize	(D)	Tang Prize
99.	Which tre	e is selected as the state tree of	Karnataka?	
	(A)	Neem	(B)	Peepal
	(C)	Sandal	(D)	Mango
100.	Which am	ong the following years has been	n decided as t	the SAARC year for Cultural Heritage?
	(A)	2015-16	(B)	2016-17
	(C)	2017-18	(D)	2018-19