SEAL

FISHERIES HELD

PBS-14-14

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Subject Code :

1 4

Test Booklet No. :

00770

TEST BOOKLET

FISHERIES

Time Allowed: 2 (Two) Hours

Full Marks: 200

(D) omnivore animals

INSTRUCTIONS

- The name of the Subject, Roll Number as mentioned in the Admission Certificate, Test Booklet No. and Subject Code shall be written legibly and correctly in the space provided on the Answer Sheet with black ball pen.
- 2. Space provided for Series in the Answer Sheet is not applicable for Optional Subject. So the space shall be left blank.
- 3. All questions carry equal marks. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet.
- 4. No candidate shall be admitted to the Examination Hall/Room 20 minutes after commencement of distribution of the paper. The Supervisor of the Examination Hall/Room will be the time-keeper and his/her decision in this regard is final.
- 5. No candidate shall leave the Examination Hall/Room without prior permission of the Supervisor/Invigilator. No candidate shall be permitted to hand over his/her Answer Sheet and leave the Examination Hall/Room before expiry of the full time allotted for each paper.
- 6. No Mobile Phone, Pager, etc., are allowed to be carried inside the Examination Hall/Room by the candidates. Any Mobile Phone, Pager, etc., found in possession of the candidate inside the Examination Hall/Room, even if on off mode, shall be liable for confiscation.
- 7. No candidate shall have in his/her possession inside the Examination Hall/Room any book, notebook or loose paper, except his/her Admission Certificate and other connected paper permitted by the Commission.
- 8. Complete silence must be observed in the Examination Hall/Room. No candidate shall copy from the paper of any other candidate, or permit his/her own paper to be copied, or give, or attempt to give, or obtain, or attempt to obtain irregular assistance of any kind.
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- 12. This Test Booklet contains one sheet (two pages) for Rough Work at the end.

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[No. of Questions : 100]

CCE(P)-2015

08 00	OT CHIEF TO	pond ends with	THE PROPERTY	ch of the following is a protozoan
(A)			14420000	DO NOT OFFINIS LINE
			(A)	Epistylis
	large herbivore		(B)	Vortecella
(C)	decaying organ	isms	(C)	Trichodina Trichodina
(D)	omnivore anim	els OCKLET	(D)	Ichthyobodo
	al stages in enbergii are	Macrobrachium	6. Fish	poison of plant origin is
(A) : 200	Pull 21		(A)	aldrin Time Allowed: 2 Two mills
(B)			U 9 T 2 (B)	
Booklet No (2) of Shoe	on Certificate, Test provided on the	oned in the Admission orrectly in the space	ithem as red (C)	
(D)	10			Mahua oil cake
	l is formed by the	de secretion of	7. Moor	ing system is associated with
(A)	shell	The nobselmax2 s	7. Moor	pen culture
(A) (B)	shell mantle tissue	Room without prior	7. Moor (A)	pen culture cage fish culture
(A)	shell mantle tissue intestinal tissue	Room without prior on nand over that had he down the limit allowed the linduced the limit allowed the limit allowed the limit allowed the	7. Moor (A) (B)	pen culture cage fish culture prawn culture
(A) (B) (C)	shell mantle tissue intestinal tissue gonadal tissue	Room without prior on hand over his/he hill time allotted for found in possess s whall be lighte for	7. Moor (A) (B) (C)	pen culture cage fish culture prawn culture raceways
(A) (B) (C)	shell mantle tissue intestinal tissue gonadal tissue bass is consider	Room without prior on half the comment of the last of	7. Moor (A) (B) (C) (D) 8. Most days	pen culture cage fish culture prawn culture raceways preferable plankton for four so old IMC spawn is
(A) (B) (C) (D) 4. Sea	shell mantle tissue intestinal tissue gonadal tissue bass is considere euryhaline	Room without prior in and over his/he had for head over his/he he had found in present on head be he had b	7. Moor (A) (B) (C) (D) 8. Most days (A)	pen culture cage fish culture prawn culture raceways preferable plankton for four s' old IMC spawn is
(A) (B) (C) (D) 4. Sea (A)	mantle tissue intestinal tissue gonadal tissue bass is considere euryhaline stenohaline	Room without prior Room without prior or hand over his/he for his/he for hand in possession on inside the Lean duisation Certificate and a sense on the Appropries only the Appropries on the Appropries only the Appropries on the	7. Moor (A) (B) (C) (D) 8. Most days (A) (B)	pen culture cage fish culture prawn culture raceways preferable plankton for four 'old IMC spawn is copepod cladoceran
(A) (B) (C) (D) 4. Sea (A)	shell mantle tissue intestinal tissue gonadal tissue bass is considere euryhaline stenohaline thermohaline	Recommendent Prior Room without prior prio	7. Moor (A) (B) (C) (D) 8. Most days (A) (B)	pen culture cage fish culture prawn culture raceways preferable plankton for four s' old IMC spawn is

9. Aflatoxins are formed as a result of growth of	13. Dropsy in fish usually is caused by			
(A) gram +ve bacteria	(A) Aeromonas species			
(B) veasts	(B) Trichodina species			
(C) toxic algae	(C) Pseudomonas species			
(D) moulds	(D) None of the above			
(D) Andhra Pradesh				
10. The stocking density of carp	14. 'Kataha' fisheries are practiced in			
al equibrooders is good management	(A) India			
(A) 1000–1500 kg ha ⁻¹ (A)	(B) Bangladesh			
(B) 3000–3500 kg ha ⁻¹ (C) 2000–2500 kg ha ⁻¹	(C) Japan			
(C) Angulus * 15 11 (D)	(D) China			
(D) 4000–4500 kg ha ⁻¹	(D) binnessel saturage (C)			
11. Pungus is which of the following	15. The composition of ovaprim is essentially based on			
types of breeder? (A) Annual breeder	(A) Alikunhi method			
(B) Seasonal breeder	(B) Linpe method mote (B)			
(C) Prolific breeder	(C) Peter's method			
(D) None of the above	(D) Sunder Raj method			
12. The bighead carp (Aristichthys	16. Clarias batrachus attains maturity at			
nobilis) competes for food with	(A) 6 months abhasize (A)			
(A) Grass carp (B) Catla	(B) 1 year and and over (B)			
(C) Rohu approvimes (O)	(C) 2 years storque (O)			
(D) Silver carp ovintes (C)	(D) more than 2 years			

17. Tambak is related with culture of	21. About 80% mangroves in India are located in		
(A) catfish senomoreA (A)	(A) Kerala (A)		
(B) tilapia saibodott (E)	(B) West Bengal		
(C) Pseudomonas tuori (C)	(C) Karnataka		
(D) milkfish to book (C)	(D) Andhra Pradesh		
18. Turbidity in water is controlled by the chemical	22. In Assam, the most economically important ectoparasite of carps is		
(A) NaCl	(A) Dactylogyrus		
(B) KMnO ₄	(B) Lernaca (B)		
(C) lime	(C) Angulus		
(D) gypsum	(D) Gyrodactylus		
19. In fish, protein digestion begins from	23. Dhir beel is situated in		
(A) mouth an identifia (A)	(A) Dhubri district		
(B) stomach am agric (E)	(B) Goalpara district		
(C) alimentary track (C)	(C) Nagaon district		
(D) esophagus mbmu2 (C)	(D) Lower Kamrup district		
20. DMSO is a/an mound and the same of the	24. The feeding habit of young Pangasius sutchi is		
(A) extender admon a (A)	(A) planktovorous		
(B) cryopreservative [(2)	(B) cannibalistic		
(C) cryoprotectant v (C)	(C) carnivorous		
(D) None of the above	(D) carnivorous and cannibalistic		

25. Pen culture practice was originated in	29. Which disease is known as egtved disease?
(A) Japan	(A) Viral hemorrhagic septicemia
(B) China (8)	(B) Infectious hematopoietic necrosis
(C) Norway	
(D) Cambodia elisat (C)	(C) Spring viremia of carp
	(D) Infectious pancreatic necrosis
26. For productive water body, nitrogen, phosphorus and carbon ratio	30. Majority of the aquaculture species
should be and should (A)	is at The Dix Color
(A) 4:4:101 samples (E)	(A) seasonal breeder (A)
(B) 16:1:106 (C) 18:8:4	(B) annual breeder
(C) 18:8:4 (D) (C)	(C) prolific breeder
(D) 1:16:100	(D) biannual breeder
39 Methyl testosterone is used for	
27. The percentage share of animal protein provided by fish to the	31. Infusoria is a/an symbolico 3.55
global population is	(A) mollusc seeds with antibody
(A) 10% (E)	(B) crustacean
(B) 15% b saltneverg (O)	direction alemale (E) with
	(C) insect and slam (O)
(C) 17% noiste (C)	(D) protozoan
(D) 50% and the second principle of the second princi	32. The major cultivable fish groups
28. Gracilaria is a	come under which family?
(A) red alga	(A) Clupeidae (A)
(B) green alga	(B) Salmonidae (B)
(C) brown alga add lis (C)	(C) Siluridae (O)
(D) None of the above	(D) Cyprinidae o anoMes(C)

41\AI-[P.T.O.

floating aquatic weed is	37. GIRA is released from				
(A) hypothalamus					
(A) CuSO 4 Direct New (A) CuSO 5 Direct New (A)					
belogo (B) 2, 4-D sucitodal (E) (B) ovary					
(C) diuron (C) liver					
(D) simazine (D) testis					
(D) Infectious pancreatic necrosis					
38. The common name of Va					
34. The vitamin that also acts as					
antioxidant is (A) elephant grass					
(A) inositol (B) eelgrass					
(B) pantothenic acid					
(C) vitamin C (E) (C) hornwort					
(D) lysine (D) napier grass					
(D) biannual breeder					
39. Methyl testosterone is us	sed for				
35. Fecundity is related with which					
(A) laster growth					
nsnesr al northugog las					
(A) Male (B) color enhancement	in fish				
(B) crustacean					
(B) Female (C) preventing deformit	ties				
(C) Male and female					
(D) SEX IIIVEISION					
(D) Hermaphrodite					
40. Katal fishing in Assan	n beels is				
normally done in					
come under which family?	28. Grac				
36. Average protein level in carps diet is (A) summer season					
(A) 20%-30% (A) (A) Summer season					
(D)inter sesson					
(B) 32%–38% winter season					
(C) 22%-30% chartes (O) (C) all the seasons					
(D) None of the above	(D)				

	ridizing disinfectant that does	45. Govind Sagar reservoir is situated on which of the following rivers?			
	(A) -78-7 °C Jaimin		(A) all male population		
	CaO		Sutlej		
(8)	(B) -80 °C must smit	(B)	Mahanadi		
10	Ca(OH) ₂ 0° 4-301- (O)	nobsluce (C)	Cauvery (5)		
(C)	CaCO ₃ .		Beas of element (I)		
(D)	ozone				
	of 56 Cartechnique is used to	46. Hybr	rid vigor is known as		
42. Sodiu	m benzoate is a/an	(A)	polyploidy abbase (A)		
	test enhancer	- (B)	crossbreeding (a)		
(B)	preservative	(C)	intergeneric mating		
(C)	antioxidant	(D)	SHILAZHO (CI)		
	(D) None of the above	(4)			
	antibacterial	47. Hybrof	ridoma is a cell formed by fusion		
	55. The best extension met	gs in some	melanin cells with		
aw. owe	population dynamics means		melanin cells with B lymphocyte		
(A)	fishing mortality	(B)			
(B)	fishing error dismodali	(8)			
(C)	fishing yield has (0)	(C)	T lymphocyte with		
(D)	fishing method	(D)	myeloma cells with B lymphocyte		
44. The	bacteria which converts				
amn	nonia into nitrite is	48. Cott	on-wool disease in fish is caused		
(A)	lactobacillus Toffis (A)	(A)	Achlya species		
(B)	Nitrobacter passeq (E)	(B)	Saprolegnia species		
(C)	nitrosomonas (O)	(C)	Exophila species		
(D)	pseudomonas (II)	(D)	Gyrodectyla species		

49. Gynogenesis in fish usually results i	in 53. Temperature of dry ice is
(A) all male population	(A) -78·7 °C
(B) all sterile population	(B) -80 °C
(C) all hermaphrodite population	(C) -196·4 °C
(D) all female population	(D) -108 °C
50. Gonadotropin is a/an back a	54. C ₁₄ technique is used to measure
(A) peptide hormone	(A) primary productivity
(B) cholesterol-rich hormone	(B) dissolved oxygen
(C) steroid hormone	(C) carbon dioxide
(D) enzyme	(D) None of the above
51. The adhesive nature of eggs in son fishes is due to	me confidence of farmers is
bodina (A) slime	(A) farm visit
(B) mucoid	(B) method demonstration
(C) glue swolong (D) with	(C) result demonstration
(D) myčioma biolasla (C) with	(D) group meeting
52. Purse seine is used to catch	56. In fish body, more fat is present in the
	(A) anterior region
(A) shoal-forming fish (B) solitary fish	(B) posterior region
(C) demersal fish (C)	(C) dorsal region
(D) slow-moving fish	(D) ventral region

57.	Exter	61. Increase in carbon dioxide leads to warming of the earth is called			
	(A)	formal state		war	ming of the earth is called
	(B)	time bound		(A)	global warming pe (A)
	(C)	informal besides (8)		(B)	phototaxis and seed (E)
	(D)	logistic mulnommA (D)		(C)	greenhouse effect
		None of the above (D) None of the above		(D)	None of the above
58.		number of pigs required to lize one hactre of pond water is	62.		nical used in controlling
	(A)	30-40 observe observe (A)		(A)	zeolite
	(B)	5-6 della mixotordamosa (SI)		(B)	alum (B)
	(C)	20–25		(C)	gypsum (O)
	(D)	45–60		(D)	beew retew-blod (CI) lime h of water
		(G) ciguatoxin term dermal dentifical releas to			67. Isinglass is obtained from
59.	Suka	ati is a	63.		A is situated in
	(A)	salted fish product		(A)	Philippines
	(B)	fermented fish product		(B)	Bangkok
	(C)	canned product		(C)	Malaysia (CI)
	(D)	smoked fish product		(D)	Thailand
60.	The	quantitative study of demand l supply relationships is called	64.	Pokk	cali paddy field exists in which of following States of India?
	(A)	price analysis		(A)	Kerala
	(B)	risk analysis		(B)	West Bengal Bloom (B)
	(C)	economic analysis		(C)	Goa roll constable (2)
	(D)	None of the above		(D)	Tamil Nadu MilA (II)

P.T.O.

65. A fishery project is said to be profitable, when benefit-cost ratio is	69. Which form of ammonia is more toxic to fish?
(A) equal to one dolo (A)	(A) Ionized ammonia
(B) less than one one less than one	(B) Unionized ammonia
(C) more than one	(C) Ammonium chloride
(D) None of the above	(D) None of the above
66. Sargasm is a sale designed Sa	70. Well-known shellfish toxin is
(A) freshwater weed	(A) okadaic acid and odmoic acid
(B) seaweed (C) brackish-water weed	(B) scombrotoxin
(D) cold-water weed	(C) tetrodotoxin
67. Isinglass is obtained from	(D) ciguatoxin
(A) skin bergutiz at ADAM .288 (B) muscle berguting (A)	71. The most preferred natural food of all carp spawns is
	(A) phytoplankton
	(B) zooplankton
(D) intestine	(C) small insect larvae
68. All societies that have acceptable and unacceptable forms of behaviour are called	(D) bacteria
(A) cooperation norms	72. O-level fish culture means (A) seeds are stocked
(B) social norms	(B) no artificial feeds
(C) extension norms	(C) zero management
(D) All of the above	(D) no fish stocked

10

PBS-14-14/14

73.	The	major storage lipid o	of fish is	77. Rar	nching is ass	ociated v	vith T
	(A)	triglyceride dallist2		(A)	fish seed habitat	release	in natural
	(B)	cholesterol delivilet		(B			
	(C)	lecithin		(C	angling	Hensen	
	(D)	None of the above		(D) disease		
74.	The	duckweed species is			sity of w	rater is	
	(A)	Lemna			oportional to		
	(B)	Spirodela			salinity temperatur		
	(C)	Wolffia stradbum			dissolved		
	(D)	All of the above		(D	depth of w	vater	
75.		term 'dermal denticles	s' refers to		npani net is	dispitty	the
	(A)	cycloid scales	(A)	(A)	sardine	b to wal	(A)
		placoid scales		(B)			
	(C)	ctenoid scales		(C)			
		All of the above			Indian salı		
76.	Whic	ch is the largest riveria?	r system in	80. Aqu	atic insects i	in nurser	y pond can
		The Ganga		(A)			
	(B)	The Indus		(B)	gossypol	no Hyderab	
	(C)	The Brahmaputra	(0)	(C)	soap oil er	nulsion	(0)
	(D)	The Mahanadi	(G)	(D)	bleaching	powder	(a)

81. The nam	e 'plankton' is coined by	5. Which	ch is a true fish? An add EV
(A) Rite	(A) fish seed randominated	(A)	Starfish (A)
(В) Нуг		(B)	Jellyfish personal state of the
(C) Her		(C)	Cuttlefish
(D) Boy		(D)	Catfish
82. Supply c	8	6. Chill	ka lake is a
is inversely	vard sloping hogora	(A)	lagoon
	vnward sloping	(B)	bherry (A)
	allel to X-axis	(C)	backwater
	allel to Y-axis	(D)	mudbank fill of (2)
83. "Price of	the commodity increases	corr	ication of gypsum in ponds
The state of the state of the state of	e versa." This follows		pH select biology (A)
	of demand	(B)	turbidity
	of supply	(C)	hardness
	of indifference	(D)	ammonium toxicity
	KVK was established in 8	8. Pena	eid eggs are hatched into
	ucherry and of the last	(A)	larvae
(B) Hyd	erabad ayesog (A)	(B)	nymph and (ii)
(C) Guj	arat is lin gnos (O)	(C)	alvin asserted and to
(D) Assa	am q galdoesid (G)	(D)	nauplius deM att (1)

89.	Sacron	mere is a par	t of	195.29h	92.		locally known as	
	(A) 1	bone	Gill r	(A)		(A)	Tal 11/98	
	(B)	muscle				(B)	Beel (160 noming	
	(C)	boold	qatT			(C)	Pat arellin	M (O)
	(D)	urine net	Cast			(D)	Charha	(D) Ca
90.	Mina	mata disease'	is caus	sed by	93. ₁	The	major fishing crait ervoirs of pennins	ft used in the
	(A)	cadmium	niand	(A)		(A)	coracle	(A) C.
	(B)	mercury	panel	(8)		(B)	wooden boat	(B) C
	(C)	iron muis	sympo				dugout canoe	(C) Ba
	(D)	aluminum	debate				mechanized boa	
91	. Whic	h of the follo	owing n	ninerals is			food is usually s	ubjected to
	(A)	Copper	Singhi	(A)		(A)	sterilization	(A) ela
	(B)	Calcium	Molly	(B)		(B)	pasteurization	(B) ine
	(C)	Phosphorus	Gambi	(O)		(C)	Both (A) and (B)au (5)
	(D)	Selenium	Lonch	(D)	***	(D)	None of the abo	ove (d)
PRS	-14-14	1/14			13			P.T.O.

95. The fish that cannot utilize urea nitrogen is	98. Which is an active gear?
(A) Magur	(A) Gill net
(B) Common carp	(B) Trawl net
(C) Mullets	(C) Trap net
(D) Catla	(D) Cast net
96. The mesophilic bacteria responsible for 'sulphur stinker' spoilage is	99. A short series of lectures is known as
(A) C. nigrificans	(A) brain storming
(B) C. batulumin	(B) panel
(C) Bacillus subtalis	(C) symposium
(D) B. thermophilus	(D) debate
97. If the absolute value of price elasticity is greater than one, demand is said to be	100. Fish that can be used as biological control of mosquito is
(A) elasticity	(A) Singhi
(B) inelastic	(B) Molly
(C) unitary elasticity	(C) Gambusia
(D) All of the above (Market)	(D) Loach
DDS 14_14/14	14