[Marks: 100]

[Time: 3 Hours]

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N.B:	1. A	All questions are compulsory.		\$ 4 4 4 6 6 6 6 4 6 9 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
	2. F	Figures to the right indicate full mark	S.		
	3. I	Draw neat and labelled diagrams when	rever n	ecessary.	
1. (A	A) Fill	l in the blanks by choosing the correct	et answ	ver:	05
	(i)	is not a fish feed f (Tubifex, Artemia, mussels)	Y () , ()	arium	
	(ii)) The insect which parasitize primare (Vector, Carrier, Parasitoid	- 40	site of the plant pest is called as	
	(iii	i) Crop rotation and ploughing is (Physical, Chemical, Cultura		type of pest control method.	
	(iv) Matilda Viper is endemic to (Tanzania, Japan, India)			
	(v)	State animal of Maharashtra is (Indian giant squirrel, Rabbit		0 2 0 15 6 E	
1. (B	B) Ma	tch the column I and column II and re	ewrite.		05
		Column I		Column II	
	(i)	Origin of goldfish	(a)	Non-insect pest	
6	(ii) Grasshopper	(b)	Komodo dragon	
ST A	(ii	i) Snail	(c)	Forestry pest	
	(iv	Parthenogenesis	(d)	Only four feather in tail	
	(v)) Spatule tail humming bird	(e)	China	
1. (C) Sta	te whether true or false:			05
37.7.0.0°	(i)	Silver carp is endemic fish species	S.		
	(ii)) Fumigants are used to control stor	ed grai	in pest.	
	(iii	i) Knapsack sprayer is used for fumi	gation	of calcium cyanide.	
	(iv) When threatened pebble toad fold	its bod	ly like ball.	
A TOP TO	(v)	Octopus represents the most dedic	cated n	nother in the world.	
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1.	(D)	Answer in one sentence:				
		(i)	Define endemic species			
		(ii)	What is IPM?			
		(iii)	Define parasite			
		(iv)	Which shrimp has fastest punch?	2 4 6 6 3 V		
		(v)	What is the speciality of lesser flamingo?			
				Ý		
2.	(A)	Ans	wer any one from the following questions:	10		
		(i)	Describe biology of molly.			
		(ii)	Write in detail about formulated fish feed.			
2.	(B)	Ans	wer any two from the following questions:	10		
		(i)	Explain goldfish as an aquarium fish.			
		(ii)	Common charaters and sexual dimorphism of butterfly fish.			
		(iii)	Fish handling for aquarium fish.			
		(iv)	Biology of Anemone fish.			
		£ 200 E	\`\^\^\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
3.	(A)	Ans	wer any one from the following questions:	10		
	Dr. Dr.	(i)	Explain agricultural pest with suitable example.			
		(ii)	Explain life cycle, nature of damage and control measures of jowar stem borer.			
3.	(B)	Ans	wer any two from the following questions:	10		
		(i)	Chemical control of pest.			
		(ii)	Crab as a pest.			
		(iii)	Cynogas pump as a plant protection appliance.			
		(iv)	Life cycle of rice wecvil.			
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4.	(A)	Ans	wer any one from the following questions:	10	
		(i)	Give a brief account on natural history of Malabar giant squirrel.		
		(ii)	Stabbing shark as incredible animal.		
4.	(B)	Ans	wer any two from the following questions:	10	
		(i)	Amazing aspects of Kingfisher.	TO TO	
		(ii)	Amazing characters of Fan-throated Lizzard.		
		(iii)	Write in brief about Pebble toad.		
		(iv)	Fastest punch of Mantis shrimp.		
5.	Answer any four from the following questions:				
	((i)	Exotic species of fish.		
	((ii)	Scope of maintenance of an aquarium.		
	((iii)	Mechanical control of pests.		
	((iv)	Life cycle of aphids.		
	((v)	Crime fighting in Gecko.		
	((vi)	Joker crab as incredible animal.		
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