This question paper contains 4+2 printed pages

BF-100-2016

FACULTY OF SCIENCE

B.Sc. (Third Year) (Sixth Semester) EXAMINATION OCTOBER/NOVEMBER, 2016

(Revised Course)

ZOOLOGY

Paper XV(A)

(Pisciculture-II)

Or

Paper XV(B)

(Applied Parasitology-II)

(Parasitic Nematodes and Arthropoda)

Or

Paper XV(C)

(Entomology-II)

Or

Paper XV(D)

(Environmental Biology-II)

(MCQ + Theory)

(Monday, 24-10-2016)

Time: 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

Paper XV(A)

(Pisciculture-II)

- N.B. := (i) Attempt All questions.
 - (ii) Draw well labelled diagrams wherever necessary.
- 1. Write notes on any four of the following:

8

(a) Water supply;

P.T.O.

WT		(2) BF—100—2	2016
	(<i>b</i>)	Causes of mortality in Nursery Ponds;	A 40 (
	(c)	Silver Carp;	
	(d)	Cast Net;	
	(e)	Nutritional diseases;	X X S
	(<i>f</i>)	Smoking.	XX
2.	Write	notes on any two of the following:	8
	(a)	Eradication of predatory and weed fishes in Nursery ponds.	
	(<i>b</i>)	Liming and fertilization of Rearing ponds.	
	(c)	Management of stocking density, feeding and harvesting of Stocking ponds.	king
	(d)	Topography and soil type.	
3.	Write	notes on any two of the following:	8
	(a)	Biology of Catla catla;	
	(b)	Biology of common carp	
	(c)	Techniques of induced breeding	
A.P.	(d)	Dry bundh breeding.	
4.	Write	notes on any two of the following:	8
	(a)	Gill nets and traps	
M. M.	(b)	Masula and odum	
	(c)	Gill rot disease	
	(d)	Lernaeasis.	
5. 33 5. 33 34 35 36 36 36 36 36 36 36 36 36 36 36 36 36	Attem	apt any one of the following:	8
	(a)	Describe in detail chilling, freezing and drying.	
	(b)	Give an account of various fish byproducts.	

OR

Paper XV(B)

(Applied Parasitology-II)

(Parasitic Nematodes and Arthropoda)

			72
N.B.	:— (i	Attempt All questions.	Ž,
	(ii) All questions carry equal marks.	
	(iii	Draw well labelled diagrams wherever necessary.	
1.	Write	notes on any four of the following:	8
	(a)	Phasmidia;	
	(<i>b</i>)	Pseudocoel;	
	(c)	Trichinosis;	
	(d)	Ixodid ticks;	
	(e)	Rat flea;	
	<i>(f)</i>	D.D.T. 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
2.	Write	notes on any two of the following:	8
	(a)	General organization of parasitic nematodes	
	(b)	Classification of parasitic nematodes	
	(c)	Life-cycle of Ancylostoma duodenalae	
6	(d)	Morphology and pathogenecity of Enterobius vermicularis.	
3.	Write	notes on any two of the following:	8
3333	(a)	Life cycle of Wuchereria bancrofti	
	(b)	Morphology and pathogenecity of Dracunculus medinensis	
TY VE	(c)	Life cycle of Trichinella spiralis	
	(d)	Physiological adaptations in parasitic nematodes.	
4.	Write	notes on any two of the following:	8
	(a)	Life cycle of parasitic ticks	
	(<i>b</i>)	Morphology and control measures of mites	
	(c)	Masquito acts as vector in various diseases	
A BB	(d)	Sandfly and Horsefly.	

WT			BF—100—2016
4.	Writ	te notes on any two of the following:	8
	(a)	Honey and Honey bee;	
	(<i>b</i>)	Enemies of Lac;	
	(c)	Silk and its uses;	2
	(d)	Langstroths hive.	
5.	Describe in detail any one of the following:		8
	(a)	Safe handling of pesticides	
	(<i>b</i>)	Integrate pest control of insect.	2
			200 P. B.
			500 500 500
		Paper XV(D)	355°
		(Environmental Biology-II)	
N.B.	<i>:</i> —	(i) Attempt All questions.	
	((ii) All questions carry equal marks.	
	(1	iii) Draw labelled diagram wherever necessary.	
1.	Ansy	wer any four of the following:	8
	(a)	Non-Biodegradable pollutants	
.(6	(b)	Automobile exhaust	
Q/V	(c)	Pollution by solid wastes	
333	(d)	Gallfies	
	(e)	Anagerobic treatment	
TY TO	(f)	Effect of sulphate compounds.	
2.	Ansv	wer any two questions from the following:	8
	(a)	Effect of water pollution	
	<i>(b)</i>	Sources of heavy metals	
	(c)	Algal blooms	
	(d)	Biodegradable pollutants.	
700	TAP BY		

P.T.O.

WT		(6) BF	100—2016
3.	Answ	ver any two questions from the following:	22226
	(a)	Give sources and effects of carbon monoxide.	
	(<i>b</i>)	Photochemical smog	
	(c)	Acid rain	Transport
	(d)	CFC's.	
4.	Answ	ver any two of the following:	220 8
	(a)	Sources of radioactive pollution;	
	(<i>b</i>)	Effect of solid waste pollution;	
	(c)	Sources and effects of noise pollution	
	(d)	Effect of radioactive pollution.	
5.	Answ	Answer any one of the following:	
	(a)	Environmental Protection Act, 1986	
	(b)	Water treatment methods, trickling filter and anaerobic t	reatment.