PARUL UNIVERSITY

PARUL INSTITUTE OF APPLIED SCIENCES

MID SEMESTER INTERNAL EXAMINATION, APRIL 2017

B. Sc. Semester II Chemistry/Physics

	Chemistry/P	hysic	es				
Paper C	ode: 11100155	Paper Name: Found	r Name: Foundation of Biology				
Date: 17 /04/2017			Time: 12.30 p.m. to 02.00 p.m.				
Maximu	m Marks: 40						
Instructi	ions:						
	all questions are compulsory and options a	re oi	iven in first and secon	d auestion only			
	Sumbers to the right of question indicate t	_		-			
2. 1	dumbers to the right of question mulcate t	пеш	larks of respective que	stion.			
0.1	A444			(00)			
Q. 1	Attempt any one question of the following (i) What is biodiversity? Explain its conser			(08)			
	(ii) Describe malaria life cycle.	valic	OII.				
Q. 2	Attempt any three questions of the following	nα		(12)			
Q. 2	(i) Write note: Green house effect	iig.		(12)			
	(ii) What are causes and symptoms of deng	me?					
	(iii) Explain types and advantages of Biofe						
	(iv) What do you mean by Immunity? Narrate its types.						
	(v) Describe: "Productivity"						
Q. 3	Do as directed. Attempt all five questions.	(05)					
	(i) Name two hot spots of India						
	(ii) Give full form: SCID						
	(iii) is a sequence of who eats whom in the biological						
	community						
	(iv) Define: Detritus						
	(v) Label the diagram:						
	Upright pyramid						
Q. 4	Write correct option in your answer sheet f	for fo	ollowing 15 multiple	(15)			
	choice questions.						
MCQ 1	Which are phosphate solubilizing bacter	ia (PS	SB)?				
	(A) Rhizobium (I	3)	Blue green algae				
		O)	Both A & B				
MCQ 2	"Where are you from? = habitat, what do false?			ence is true or			

(B)

(D)

(B)

(D)

Only second is true

None are true

Outbreeding

Dominance

(A)

(A)

(C)

MCQ 3

Only first is true

Matting between genetically related parents is called_

Both are true

Inbreeding

Heterosis

MCQ 4	Which is considered as endangered species of India?						
	(A)	Peacock	(B)	Bengal tiger			
	(C)	Black kobra	(D)	White monkey			
MCQ 5	From following which is NOT an example of biofortification?						
	(A)	Golden rice	(B)	Zinc rice			
	(C)	Brown rice	(D)	Iron rice			
MCQ 6	A heterotroph						
	(A)	Is an autotroph	(B)	Eats other organism			
	(C)	A & B both	(D)	None of these			
MCQ 7	From following which is broad spectrum antibiotic?						
	(A)	Penicillin	(B)	Vancomycin			
	(C)	Erythromycin	(D)	Rifampin			
MCQ 8	Explants' sterilization can be done by treatment with?						
	(A)	$MgCl_2$	(B)	CaCl ₂			
	(C)	H_2O	(D)	$HgCl_2$			
MCQ 9	Net productivity=						
	(A)	Gross productivity-	(B)	Gross productivity + respiration			
		respiration rate		rate			
	(C)	Gross productivity / respiration rate	(D)	None of these			
MCQ 10	Excessive load of nutrients in water is called						
	(A)	Eutrophication	(B)	Fortification			
	(C)	Toxicity	(D)	Degradation			
MCQ 11	For Which disease there is vaccine available?						
	(A)	Malaria	(B)	Hepatitis			
	(C)	Polio	(D)	Both B & C			
MCQ 12	Malaria causing parasites are						
	(A)	Plasmodium falciperum	(B)	Plasmodium vivax			
	(C)	Plasmodium knowelsi	(D)	All of these			
MCQ 13	What is the most serious threat to biodiversity?						
	(A)	Scientists collecting specimens	(B)	Habitat loss			
	(C)	Tourists	(D)	Pollution			
MCQ 14		ary consumers eat	(-)				
	(A)	Primary producers	- (B)	Secondary consumers			
	(C)	Primary consumers	(D)	Quaternary consumers			
MCQ 15		From following which substance is NOT causing air pollution?					
	(A)	CO_2	(B)	N ₂ O			
	(C)	СО	(D)	Lead			