Total No. of Printed Pages: 2

SUBJECT CODE NO: - FF-6567 FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (Sem-I) (Zoology) Examination January-2023

Ecology: Principles and Practices ZOO-103

[Time:	3:00 Hours]	[Max. Marks:80]
_	Please check whether you have got the right question paper.	
N. B	1) All questions carry equal marks	50,
	2) Draw well labelled diagram whenever necessary	
	3) Part –A is compulsory	
	4) Attempt any five questions from part B	
	Part –A	
Q1 A	attempt the following multiple choice questions.	20
	1) The natural place of an organism or community is known as	
	a) Niche b) Habit c) Biome d) Habitat	
		, GET
	2) The effect of interspecific competition on niches is to make them	
	a) Larger b) smaller c) more triangular d) change location	
	3) Trophic leaves in a food chain are formed by	
	a) Producer b) consumers c) decomposers d) all of the above	
	4) Food chain always start with	
	a) Photosynthesis b) Respiration c) Nitrogenfixation d) decay	
	5) Which forest have maximum diversity?	
	a) Sub trophical rainforest b) Coniferous forest	
	c) Trophical forest d) Deciduous forest	
S	6) Which of the following defines the separation of two different communities	
Ø.,	a) Ecotone b) Edge effect c) Ecade d) Resistance	
	7) Exponential growth occurs when there is	
	a) A great environmental resistance	
	b) No environmental resistance	
	c) No biotic potential	

A fixed carrying capacity

	a) Periodic life b) intensive grazing c) mowing d) all of the above	
	10) Energy flow in an a) Biodiversity b) ecosystem c) diversity d) none	
	Part –B	
Q2	Describe biotic and abiotic interaction in details.	12
Q3	Explain biogeochemical cycles with their pattern & types.	12
Q4	What is population ecology? Describe density & indices of relative abundance	12
Q5	Describe physical and chemical properties of soil.	12
Q6	Explain types does & effects of toxicants with suitable example	12
Q7	Define biogeography? Describe western ghats ⁢'s significance	12
Q8	Write notes on (any two) a) Energy audit b) Environmental biotechnology c) Ecological foot print	12

c) carnivorous d) All of these

8) Secondary consumers are ----

a) Green plants b) Heribivorous

9) Grassland biome for its maintenance requires