Write the following information in the first page of Answer Script before starting answer

ODD SEMESTER EXAMINATION: 2020-21

Exam ID Number	
Course	Semester
Paper Code	Paper Title
Type of Exam:	(Regular/Back/Improvement)

Important Instruction for students:

- 1. Student should write objective and descriptive answer on plain white paper.
- **2.** Give page number in each page starting from 1st page.
- **3.** After completion of examination, Scan all pages, convert into a single PDF and upload to the Google classroom as attachment.
- **4.** Exam timing from 10am 1pm (for morning shift).
- **5.** Question Paper will be uploaded before 10 mins from the schedule time.
- **6.** Additional 20 mins time will be given for scanning and uploading the single PDF file.
- **7.** Student will be marked as ABSENT if failed to upload the PDF answer script due to any reason.

B.Sc. ZOOLOGY FIRST SEMESTER ECOLOGY BSZ – 102 [REPEAT]

Duration: 3 hrs. Full Marks: 70

[PART-A: Objective]

Time: 20 min. Marks: 20

1111	ie: 20 min.	Marks: 20			
Cl	hoose the correct answer from the fol	lowing: 1×20=20			
1.	 What is the full form of CITES? a. Convention on International Trade in Exotic Species b. Convention on International Trade in Exotic Species of Wild Fauna c. Convention on International Trade in Exotic Species of Wild Fauna and Flora d. None of these 				
2.	Which section of the Wildlife Protection Act Community Reserve? a. Section-17 c. Section-35	b. Section-34d. None of these			
3.	The role of EIA is to of the project. a. Modifying the design c. Justification of the proposal	b. Improve the designd. All of these			
4.	In case of wildlife sanctuary, the land belongs a. Governmentc. Both a&b	to -b. Communityd. None of these			
5.	The previous name of IUCN was – a. International Union for Protection of Nature c. Both a&b	b. World Conservation Uniond. None of these			
6.	Which of the following gas is categorized as p ${f a}$. SO_2 ${f c}$. NO_x	articulate pollutants? b. SO ₃ d. None of these			
7.	Which of the following gas is responsible for p a. O_2 c. CO_2	b. CO d. All of these			
8.	The main global contributing factors to greenla Industrial processes	nouse- gas emissions are- b. Agricultural processes			

c Agriculture and transportation

d. None of these

9.	All the member of a species inhabiting in a given location is called				
	a Biomes	b	Organisms		
	c Community	d	Population		
10.	Secondary consumers are always a				
	a Omnivore	b	Herbivore		
	c Scavenger	d	Carnivore		
11	-	C 11			
11.	Depletion of Ozone layer causes, which of the				
		arac	t in eyes leading to blindness.		
	3. Lung infection	h	O-1 2 & 2		
	a Only 1 & 2	b	Only 2 & 3		
	c 1,2 and 3	u	Only 1		
	It involves the transfer of energy from green prepeated stages of eating and being eaten is-	olan	ts through a series of organisms with		
	a Ecosystem	b	Food chain		
	c Habitat	d	Ecological pyramid		
13.	Which is the most common available form of S	ailn	hur in plants?		
201	a H ₂ S		SO ₄ ²⁺		
	c SO ₂		S		
11	-	,			
14.	The largest reservoir of Phosphorous in the bio	=			
	a Rock	_	Atmosphere		
	c Ocean	u	Organisms		
15.	The sequence of communities showing a gradual cha	inge	e in composition is called as -		
	a Continum community	b	Serel community		
	c Climax community	d	Continual community		
	The mechanism of modification of the environ organisms on its own is called	mei	nt through the influence of living		
	a Establishment	b	Invasion		
	c Stabilization	d	Reaction		
17.	Odum preferred to call the process of ecologic	al s	uccession as		
	a Ecological Modification		Ecological Development		
	c Ecosystem Development		Ecosystem Modification		
10	•		,		
18.	Total individuals per unit habitat space is called	_	Crudo doncity		
	a Ecological density	_	Crude density		
	c Random density	u	Regular density		
19.	Succession brought about by the internal force				
	a Secondary succession		Primary succession		
	c Allogenic succession	d	Biotic succession		
20.	A dying off population is well represented by				
	a Bell shaped pyramid	b	Urn shaped pyramid		
	c. Inverted pyramid	_	Broad based pyramid		
			= -		

(PART-B: Descriptive)

Time: 2hrs 40mins. Marks: 50

[Answer question no.1 & any four (4) from the rest]

1.	Define soil pollution. Write the major sources of soil pollutants and mention the effect of soil pollution.	2+4+4=10
2.	How many sections and chapters are there in the Wildlife Protection Act of India? State the various definitions briefed in this act.	2+8=10
3.	What do you mean by EIA? Brief the process of EIA and also mention its advantage.	1+5+4=10
4.	What is a biogeochemical cycle? Mention the Nitrogen and Sulphur cycle.	4+6 =10
5.	Define ecosystem. Brief the structure of an ecosystem. Also write the principle of energy flow in an ecosystem.	1+5+4=10
6.	Explain Leibeg's Law of Minimum and Shelford's Law of Tolerance. Explain the significance of limiting factors.	5+5=10
7.	What is a population? Explain the different aspects that characterize a population.	3+7=10
8.	Write short on: a. Ecotone b. Edge Effect	5+5=10

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