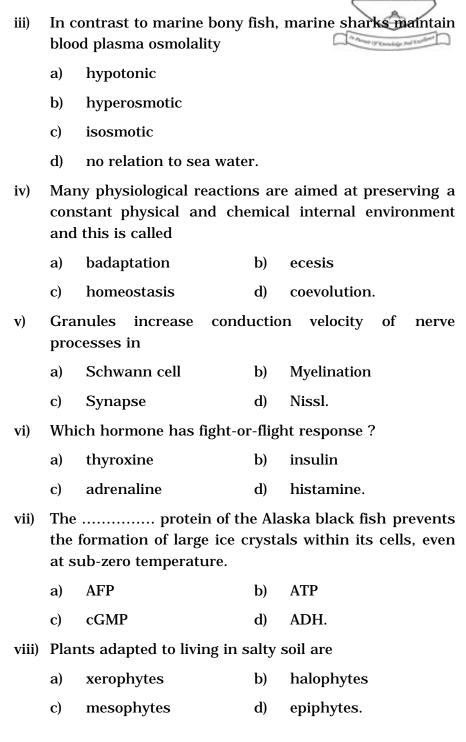
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CS	/M.S	Sc (Ge	enetics)/SEM-3/	MSGEN(EBT)-304	B/2011	-12	
)11				
			NVIRONMENT	AL PHY	SIOLOG	Ϋ́		
Time Allotted: $1\frac{1}{2}$ Hours					Full Marks : 35			
		The	e figures in the mar	gin indica	te full mar	ks.		
Ca	ndida	ates a	nre required to give as far a	their ansv as practica		ir own wo	ords	
			GRO	UP – A				
(Multiple Choice Type Questions)								
1.	Choose the correct alternatives for any five of the following $5 \times 1 =$							
	i)	Which is related to chemical research and engineering						
	that encourages to minimize the use and generate hazardous substances?						on of	
		a)	Green chemistry	b)	Brown ch	nemistry		
		c)	Blue chemistry	d)	Red chen	nistry.		
	ii)		was the found	er of the	e subject	ʻanimal	eco-	
		1 0						
		a)	Odum	b)	Smith			
		c)	Bartholomew	d)	Schmidt-	Nielsen.		

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GROUP - B

(Short Answer Type Questions)

Answer any three of the following.

 $3 \times 5 = 15$

- 2. What do you mean by the terms 'osmoconformers' and 'osmoregulators'? Give examples. 3 + 2
- 3. What is adaption? State the nature and levels of adaption.

2 + 3

- 4. State some adaptations necessary for desert life. Name two desert adapting animals. 4 + 1
- 5. Explain your concept on bioindicator organisms with examples. 4+1

GROUP - C

(Long Answer Type Questions)

Answer any one of the following.

 $1 \times 15 = 15$

- 6. Describe how animals cope with the following environments :
 - i) Arctic/Antarctic zone
 - ii) Shore zones.

Mention one animal each of the above zones with scientific names. 6+6+3

7. What is Kyoto protocol? Mention the year of adoption of the treaty. Write the world's top two emitters of GHGs. Write notes on Low Carbon Economy and Carbon Credit.

$$3 + 2 + 2 + 4 + 4$$

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