Full Marks: 100

BIOLOGY

Paper-II

Time: 3 Hours

Instu	rctio	ns: (1) Answer any five questions.	
		(2) The figures in the right-hand margin indicate full marks for the question	ons.
1.	(a)	Describe the mechanism of reflex action. How does it differ from involuractions?	ntary 10
	(b)	Describe the mechanism in human beings for getting rid of nitrogenous waste their body.	from 10
2.		v do plants transport water and minerals from the soil and the products of metal tess to different parts of their body?	
3.	Diffe	erentiate the following with suitable examples: 5×4	4=20
	(a)	Autotrophic nutrition and Heterotrophic nutrition	
	(b)	Binary fission and Multiple fission	
	(c)	Mariculture and Aquaculture	
	(d)	Acquired traits and Inherited traits	
4.	Desc	Describe the sexual mode of reproduction in flowering plants with suitable diagrams.	
5.	Writ	te notes on the following: 5×2	4=20
	(a)	Tropism in plants	
	(b)	Plant growth hormones	
	(c)	Failure of fertilization of egg in woman	
	(d)	Five kingdom classification of organisms	
6.	Justify the statement that 'very dissimilar looking structures evolved from a common ancestra design' with a suitable textbook example of artificial selection.		estral 20
7.	Writ	te notes on any two of the following:	2=20
	(a)	Formation of fossils	
	(b)	Structure of the human eye	
	(c)	Water cycle in nature	
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8. Write brief notes on any five of the following:

 $4 \times 5 = 20$

- (a) The contribution of Carl Von Linne
- (b) Tyndall effect
- (c) The experiment of Stanley Miller and Harold Urey
- (d) Manure and fertilizers
- (e) Nervous tissue
- (f) Osmosis

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