

Time: 3 hours

Full Marks: 200

The figures in the right-hand margin indicate marks.

Candidates should attempt Q. No. 1 from Section – A and Q. No. 5 from Section – B which are compulsory and any three of the remaining questions, selecting at least one from each Section.

Explain the mean MOITDAS intraction of skeletal

1. Give an account on any two of the following:

olnovidus ni sineve sucinev edi 20x2=40

- (a) Polymorphism in lysosomes
- (b) Hardy-Weinberg law
 - (c) Cladistics
- Explain Mendel's laws of inheritance with suitable examples.
- Discuss the importance of nature selection and mutation in evolution.

LB - 30/2

(Tum over)

4.	Wri	te notes on the following: $10 \times 4 = 4$	10	
	(a)	(a) Functions of Golgi bodies		
	(b)	(b) Genetic basis of human blood groups		
	(c)	(c) Evolutionary significance of fossils		
	(d)	Zoological nomenclature		
ks.	mar	etacilon ni SECTION - B enti ni serupit en		
5.	Illustrate any two of the following: $20 \times 2 = 40$			
	(a)	Krebs Cycle		
	(b) Primary structure of Immunoglobulin			
	(c)	Placentation in mammals		
6.	Explain the mechanisms of contraction of skeletal			
	mu	scles.	10	
7.		scribe various events in embryon	ic	
	dev	velopment of eye.	10	
8.	Write notes on the following: $10 \times 4 = 40$			
	(a) Types of enzymes			
ble 40	(b)	Pheromones To awai a labasid maloval		
	(c) Action of peptide hormones			
ind 40	(d)	Neoteny is no sonahoom entrance of national motation	3.	
LB	- 30	/2 (4,100) (2) FS – 30 / 15-1	6	