

Time: 1 Hours 45 Minutes

Marks: 22

SECTION 'B' (SHORT-ANSWER QUESTIONS)

NOTE: Answer 11 questions in all. Select six questions from Reasoning questions and five from Non-Reasoning questions

2.(a) Reasoning Questions:

- (i) Why do Monozygotic twins have the same sex?
- (ii) Which hormone is released from Adrenal Medulla and why is it called Emergency hormone?
- (iii) Why is Archaeopteryx considered a connecting link between Reptiles and Birds?
- (iv) What is the cause of Muscle Fatigue?
- (v) Why is cleavage in birds Meroblastic and Discoidal?
- (vi) Why are plasmids used in Recombinant DNA Technology?
- (vii) Why is DNA Finger Printing performed?
- (viii) How is Parkinson's disease different from Huntington's disease? Write its treatment.
- (ix) How does Osmoregulation take place in Marine Bony Fish?

(b) Non-Reasoning Questions:

- (x) Write four differences between Nervous and Chemical co-ordination.
- (xi) Write note on two different types of Nephrons related to adaptation in kidney.
- (xii) Write four differences between Bone and Cartilage.
- (xiii) Define Aging. Give its causes.
- (xiv) Write note on Gonorrhoea OR Syphilis.
- (xv) State the Objections on Lamarck's Theory.
- (xvi) Write note on Acid Rain OR Depletion of Ozone layer.
- (xvii) Label the diagram given below:

