

SECTION "B" (Short Answer Question) Marks: 18

NOTE: Attempt any NINE part questions in all. Select FIVE Reasoning Questions and FOUR Non-Reasoning Questions. All part questions carry equal marks.

2. (a) REASONING QUESTION:

- (i) Why is depletion of ozone layer harmful?
- (ii) Why Hormones secreted from 'adrenal medulla' are called 'emergency hormones'?
- (iii) How are waste products removed from the body in case of renal failure?
- (iv) Why does abnormal muscle contraction occur in sportsmen?
- (v) Why viviparous animals produce less and small ova?
- (vi) Why do cleavage in chick discoidal and meroblastic?
- (vii) How does artificial selection play role in the formation of new specie?
- (viii) How does Parkison's disease different from Huntington's disease?

2. (b) NON-REASONING QUESTIONS:

- (ix) Write note on Gonorrhoea or Syphilis.
- (x) Differentiate internal and external fertilization in animals.
- (xi) How do osmoregulation take place in terrestrial animals?
- (xii) Write two disorders over, production of Growth Hormones (STH).
- (xiii) Write note on 'Algal bloom'.

Section C (Detailed - Answer Question) (9)

NOTE: Attempt any ONE question from this section.

All questions carry equal marks.

3. (a) Describe regulatory functions of Kidneys.
(b) Define learning behaviour and explain any two types.
4. (a) Explain sliding filament theory with the help of diagrams.
(b) How does Gene therapy performed for SCIDS?
5. (a) Write nerve impulse under following heading: with the help of diagrams:
* RMP
* Propagation of Nerve Impulse
* Action Potential
* Synapse
(b) Write the name of methods of Asexual reproduction in animals. Explain any two methods