

Note:

- 1) All questions are compulsory.
- 2) Figures at right indicates marks.
- 3) Draw neat diagrams wherever necessary.

QI Answer the following (Any2)

20 marks

- 1) Explain the excretory and osmoregulatory structures in Arthropods.
- 2) Describe the physiology of Ultrafiltration in Man.
- 3) Explain the complete digestive system of Pigeon
- 4) Describe the digestive system of Amphioxus.

QII Answer the following (Any2)

20 marks

- 1) Describe the structure and mechanism of heart in Man.
- 2) Describe the various types of circulating fluids in animals.
- 3) Explain various types of accessory respiratory organs in fishes.
- 4) Describe the structure and mechanism of heart in Crocodile.

QIII Answer the following (Any2)

20 marks

- 1) Explain locomotion in Cockroach
- 2) Describe in detail asexual reproduction
- 3) Explain conduction of nerve impulse.
- 4) In detail explain the negative feedback mechanism.

QIV Write short note on (Any3)

15 marks

- 1) Flame cells in planaria
- 2) Structure of nephridia in Earthworm.
- 3) Book lungs in spider
- 4) Open circulatory system of Cockroach
- 5) Nerve net in hydra
- 6) Types of fertilization

— The End —