



- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw well labelled diagram wherever necessary.

1. Describe mechanism of urine formation in details. **10**

OR

Write notes on:

- a) Counter current mechanism. **5**
- b) Constituents of urine. **5**

2. Write an essay on structure and function of adrenal gland. **10**

OR

Write notes on:

- a) Hormones of adenohipophysis. **5**
- b) Menstrual cycle. **5**

3. Write an essay on conduction of nerve impulse. **10**

OR

Write notes on:

- a) E. M. structure of neuron. **5**
- b) Sliding filament theory. **5**

4. Give an account on composition and function of blood. **10**

OR

Write notes on:

- a) Clotting mechanism. **5**
- b) Cardiac cycle. **5**

5. Write four of five lines on the followings **any ten.** **10**

- | | |
|----------------|----------------------------|
| i) Podocytes | ii) Juxtaglomerular cells. |
| iii) Dialysis | iv) MSH |
| v) Myxoedema | vi) Testosterone. |
| vii) Neuroglia | viii) Myosin |
| ix) Tonus | x) Rh factor |
| xi) ECG | xii) Hypotension |
