

**SECTION—C**

1. Absorption of lipids.
2. Respiratory volumes.
3. Counter-current mechanism.
4. Blood groups.
5. Hormones of ovaries.
6. Myoneural junction.
7. Actin and myosin.
8. Cardiac muscles.

8×2=16

**Roll No. ....**

**Total No. of Pages : 2**

**PC 11458-NH**

**BS/2111  
ANIMAL PHYSIOLOGY-II  
Semester—III**

Time Allowed : Three Hours]

[Maximum Marks : 40

**Note :-** Candidates are required to attempt *two* questions each from Sections-A and Section-B. Entire Section C is compulsory.

**SECTION—A**

1. Write short note on Absorption of Carbohydrates.
2. Discuss about the mechanism of pulmonary ventilation.
3. Discuss about the mechanism of osmoregulation.
4. Discuss about the origin and conduction of cardiac impulse.

2×6=12

**SECTION—B**

5. Discuss briefly about the structure and functions of pituitary and hypothalamus.
6. Differentiate between myelinated and non-myelinated nerve fibers.
7. Write a short note on molecular basis of muscle contraction.
8. Discuss about the structure of neuron and origin of action potential.

2×6=12