



K18U 1531

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)

Examination, November 2018

(2014 Admn. Onwards)

CORE COURSE IN ZOOLOGY

5 B09 ZLG : Comparative Animal Physiology and Human Physiology

Time : 3 Hours

Max. Marks: 40

Answer **any one** of the following :

(1×8=8)

1. Explain the process of blood coagulation.
2. Give a brief account on various types of excretory organs in animals.

Answer **any one** of the following :

(1×8=8)

3. What is synapse ? Explain the chemical and electrical type of synaptic transmission.
4. Explain thermoregulations in animals.

Answer **any two** of the following :

(2×4=8)

5. Explain the biochemical events occurring in muscle contraction.
6. Give an account on gastrointestinal hormones.
7. Briefly explain the process of transport of oxygen from lungs to the tissues.

Answer **any six** of the following :

(6×2=12)

8. Smoking and its physiological effects.
9. Conduction of heart beat.

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- 10. Compound stomach.
- 11. Urea cycle.
- 12. Osmoregulation in fresh water animals.
- 13. Electric organs.
- 14. Giant neurons in Cephalopods.
- 15. Cardiac muscle.

Answer the following questions in a word or sentence :

(4×1=4)

- 16. Give an example of a neurotransmitter.
- 17. The respiratory pigment containing copper is
- 18. What is tidal volume ?
- 19. Give an example of an anticoagulant present in Leech.