

Date of Exam: 02.12.2020

Kishore Bharati Bhagini Nivedita College (Co-Ed.)
(Affiliated to the University of Calcutta)

2020

ZOOLOGY – HONOURS

Paper : CC-9 (Animal Physiology: Life Sustaining System)

Full Marks : 50

Time : 2 Hrs.

The figures in the margin indicates full marks.

Candidates are required to give their answers in their own words as far as practicable.

Send PDF of the Answer Script to kbbnczoology@gmail.com

Answer any *twenty five (25)* questions from the following: 2×25

1. Difference between mechanical and chemical digestion?
2. Lipid absorbed in which organ in human body?
3. What is the functional unit of kidney?
4. Write down the full form of PCT and DCT?
5. What are the parts of renal corpuscle?
6. What is thermoregulation?
7. Difference between endotherm and ectotherm?
8. Name the metal that is associated with haemoglobin?
9. What is the role of hair in thermoregulation?
10. Write down the names of all three major salivary glands?
11. Write down the dental formula of human.
12. What is hunger receptor?
13. Write down the full form of LAD?
14. What is anastomosis?
15. What is the rate of impulse generated from SA node?
16. What is osmoconformer?
17. What is amphidromous?
18. If blood group of father and mother are A and B respectively, then what could be the blood group of child?

19. In blood group system what is the relation between gene I^A and I^B in the light of dominancy?
20. What is totipotency?
21. Name two major important muscles associated with function of lungs?
22. What is coronary circulation?
23. What is thermoregulatory centre in human body?
24. How many lung lobes are there in human body?
25. What is haematopoiesis?
26. What is known as natural pacemaker?
27. Which hormone regulates the tonicity in human body?
28. Write down the names of different nephron types.
29. What is Carbon Monoxide poisoning?
30. Why generally right kidney is slightly smaller and lower than left kidney?
31. What is stenohaline?
32. What will happen if we transfuse B type blood to a person's body having A type blood?
33. What is Tidal Volume?
34. What is the definition of PO₂ in blood vessels?
35. Write down the parasympathetic nerve that controls the cardiac impulse?
