

Date of Exam: 01.12.2020

Kishore Bharati Bhagini Nivedita College (Co-Ed.)

(Affiliated to the University of Calcutta)

2020

ZOOLOGY – HONOURS

Paper : CC-8 (Comparative Anatomy of Vertebrate)

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. What is stratum germinativum? State its significance.
2. What is Goblet cell? Mention its role in vertebrates.
3. Differentiate between cycloid and ctenoid scales.
4. What is uropygial gland? State its significance.
5. What is enamel? State its function.
6. Write the differences between Thecodont and Pleurodont dentition.
7. State the occurrence and the role of rete mirabile.
8. What are pseudobranch gills? Give an example.
9. Write the differences between Physostomus and Physoclistous bladder.
10. Write the importance of air sacs in birds.
11. What is dendritic organ? Mention its role.
12. What is pericardial cavity?
13. What is fossa ovalis?
14. Differentiate between horns and antlers.
15. What is lymphatic system?
16. What is Central Nervous System?
17. What is optic chiasma?
18. What is hippocampus? Mention its role.
19. What is amygdala?

20. What are Weberian Ossicles? State their function.
21. What is Eustachian tube? State its function.
22. What is mandibular arch?
23. Write the differences between thalamus and hypothalamus.
24. What is pineal gland? State its function.
25. What is pygostyle?
26. What is streptostylic jaw? Give an example.
27. What are visceral arches? State their significance.
28. What is heterocoelous vertebra? Where it is found?
29. Write the names of different layers of epidermis.
30. What is sebaceous gland? State its significance.
31. Name the different chambers of a ruminating mammal stomach.
32. Write short note on poison glands in amphibian.
33. Write the occurrence and significance of Suprabranchial organs.
34. Differentiate between pulmonary artery and pulmonary vein.
35. What is Wolffian duct? State its significance.
