

7. Structure and development of teeth.
8. Mastication ;—digestion ;—absorption.
9. Blood ; its composition ;—arterial and venous blood.
10. Heart ;—arteries, veins.
11. Circulation of the blood.
12. System of circulation in different animals.
13. Respiration ;—respiratory apparatus of man.
14. Branchial and tracheal respiration.
15. Animal heat ;—warm and cold blood.
16. Secretions.

III.

17. Essential parts of the nervous system.
18. Sense of touch, taste, and of smell.
19. Organs of hearing and of sight.
20. Power of motion.
21. Power of walking, flying, swimming, and of creeping.

IV.

22. Classification of the animal kingdom.
23. Mammals ; their general structure.
24. Division into orders.
25. Principal orders of mammalia.
26. Structure of birds.
27. Migration of birds.
28. Principal orders of birds ; characteristic peculiarities of each order.
29. Reptiles ; their general structure, and principal orders.
30. Fishes ; their general structure, and principal divisions.
31. Annulated animals.
32. General structure of insects.
33. General structure of the *arachnida*.
34. General structure of the *crustacea*.
35. General structure of the *annelides*.
36. General structure of the *mollusca*.

V.

37. In what orders would you place the monkey, rat, elephant woodpecker and adder ?

38. In what classes and orders would you place the cat, lobster, snipe, duck, and squirrel ?

39. In what classes and orders would you place the hare, horse, dog, bear and fox ?

40. In what classes and orders would you place the weasel, whale, crow, domestic cock, and the wolf ?