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S V I S 315 A-15
B.Sc.VIth Semester Degree Examination
Zoology
(Animal Behaviour, Evolution & Paleontology)
Paper : Z - 6.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates: 1) Answer all the questions.

2) Draw diagram wherever necessary

SECTION - A

I Answer the following in brief:

(15 × 1 = 15)

1. Forager
2. Homing
3. Nuptial flight
4. Harem
5. Overlord
6. Altruism
7. Pheromones
8. Drift
9. Contranatant
10. Banding
11. Menotaxis
12. Gene flow
13. Over production
14. Moulds
15. Mineralization

SECTION - B

- II. A.** Write a short note on any **three** of the following: **(3 × 5 = 15)**
16. Methods of studying bird migration.
 17. General principles of courtship.
 18. Warning mimicry with suitable examples.
 19. Thorndike's experiment on cat.
- B.** Write a short note on any **two** of the following: **(2 × 5 = 10)**
20. Natural selection in action.
 21. Hardy - Weinberg law of equilibrium
 22. Speciation.

SECTION - C

- III. A)** Write explanatory note on any **three** of the following: **(3 × 10 = 30)**
23. Parental care in amphibians.
 24. Communication between the forager and rest of the worker honey bees.
 25. Pavlov's experiment on dog to explain conditioned Reflex (CR)
 26. Kinds of nests of birds with suitable examples.
- B)** Write an explanatory note on any **one** of the following: **(1 × 10 = 10)**
27. Darwin Wallace theory of Natural Selection.
 28. Origin and evolution of man.