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**NS4S-4156-B-24**  
**B.Sc. IV Semester (NEP) Degree Examination**  
**ZOOLOGY**  
**Animal Behaviour**  
**Paper : OE : 4**

**Maximum Marks : 60**

**Time : 2 Hours**

**Instructions to Candidates:**

- 1) All Sections are Compulsory.
- 2) Draw diagram wherever necessary

**SECTION-A**

**I. Answer any Five of the following**

**(5×2=10)**

- ✓1. What are the two causes of behaviour?
- ✓2. Define Orientation with example.
- ✓3. What is reciprocal altruism?
4. What is Nuptial flight in honey bee
5. What is the difference between circadian and circannual biorhythms.
- ✓6. Define Sexual dimorphism in bud.
- ✓7. What are the functions of Chronobiology?

**SECTION-B**

**II. Answer any Five of the following.**

**(5×4=20)**

- ✓8. Explain operant conditioning with example.
9. What is intrasexual selection and why is it important?
- ✓10. Role of Pheromones in Insect communication
11. Write a note on Sibling-Sibling conflict.
- ✓12. Explain territoriality in monkeys
- ✓13. What is bioluminescence? Give example of deep sea fisher.
- ✓14. Describe Ivan Pavlov's experiment with dogs.

### SECTION-C

**III. Answer any Three of the following**

**(3×10=30)**

- ~~15.~~ Explain Social organization in termites
- 16. Explain sexual dimorphism and mate choice in Peacock.
- ~~17.~~ Explain parental care in fishes.
- ~~18.~~ Explain Biological rhythm.