

U.G. 6th Semester Examination - 2020**ZOOLOGY****Course Code : BZOODSHC5****Course Title : Animal Behaviour and Chronobiology**

Full Marks : 30

Time : 2 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **ten** questions: 1×10=10
- What are the studies area of Konrad Lorenz?
 - What is hawk / goose effect?
 - Name two methods of a behaviour.
 - What is orientation?
 - Give an example of associative learning.
 - What does imprint mean?
 - Write two advantages of the waggle dance.
 - Mention one type of parental care with example in fish.

- What is biological oscillation?
 - Write two adaptive significance of biological clocks.
 - What is tidal rhythm?
 - What is photic Zeitgeber?
 - Write a role of melatonin.
 - What are proximate causes?
 - What are tonic reflexes?
2. Answer any **five** questions: 2×5=10
- What is menotaxis?
 - Distinguish between orthokinesis and klinokinesis.
 - What do you mean by visceral reflexes?
 - Explain reciprocal altruism.
 - Write briefly about adaptive value of a signal.
 - What are epicycles? Give an example.
 - Distinguish between lunar and circadian rhythm.
 - What is class recognition?

[Turn over]

3. Answer any **two** of the following: $5 \times 2 = 10$

a) What is learning? Distinguish between latent and insight learning. What is selfishness?

$1 + 2 + 2$

b) Write different types of parental care in Amphibia with suitable examples. 5

c) What are the effects of temperature and light intensity upon circadian rhythms? What are the significances of biological time keeping?

$1 \frac{1}{2} + 1 \frac{1}{2} + 2$
