

M.Sc. Zoology Semester – II Examination

April 2017

CODE: 20594

Paper M.Sc. Zoo:07

[Animal behavior and evolution]

Time: 2.5 Hours

Total Marks – 70

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- Instruction: 1) Attempt all questions.  
2) Figures on right indicate the marks.  
3) Draw labeled diagram wherever required.

- Que. 1** Describe different types of biological drive. 14
- OR**
- Que. 1 a.** Write note on learning behavior. 07
- b.** What is circadian rhythm? Give brief history of circadian rhythm. 07
- Que. 2** Describe Lunar cycle. 14
- OR**
- Que. 2** Write note on: **a.** Chemical communication in insect. 07
- b.** Migration in turtle. 07
- Que. 3 a.** What is altruism? Explain with example. 07
- b.** Write a short note on polyandry in animals. 07
- OR**
- Que. 3 a.** Explain the advantage of group living in mammals. 07
- b.** Write note on kin selection. 07
- Que. 4** Explain Factors causing variation. 14
- OR**
- Que. 4** Write note on: **a.** Recombination. 07
- b.** Post zygotic isolation. 07
- Que. 5** Describe: **a.** Micro evolution. 07
- b.** Source of variation. 07
- OR**
- Que. 5** Discuss: Hardy – Weinberg law and evolution. 14
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