

**Govt. College for Women, Parade Ground, Jammu (An Autonomous College)**  
**NAAC Accredited "A" Grade**



Syllabus & Course of Study in Zoology B.Sc. Sem-I For exams to be held in 2022-23, 2023-24, 2024-25, 2025-26

<b>Semester:- I</b>	<b>Course type:- Multidisciplinary</b>	<b>Course title:- Introduction to Animal World</b>	
<b>Course code:-</b>	<b>Total marks:- 75</b>	<b>Total credits:- 3</b>	<b>Teaching hours:- 48 Hrs.</b>

**Objectives of the Course:-**

- To make the students appreciate the economically important animals and their products
- To seed the ideas of entrepreneurship in young minds.
- To provide an overview of the common diseases affecting human health.
- To provide knowledge of dietary disorders and their prevention.

**Learning outcomes of the course:-** After completing this course the students will be able to:

- appreciate the economically important animals and their products
- implement the ideas of entrepreneurship.
- comprehend and tackle the common diseases affecting human health.
- understand and prevent the dietary disorders.

**Unit – I: Introduction to economically important animals (12 periods)**

- Useful insects and their products:
  - Honey bee
  - Silk worm
- Earthworm as friend of farmers.
- Control of stored grain pests.

**Unit – II: Animals as means of livelihood. (12 periods)**

- Integrated farming: a brief concept.
- Fish products and bye products.
- Blue revolution:
  - Concept and applicability.
  - Sustainable and equitable fish farming: Role of NBARD.
- Rainbow revolution

**Unit-III: Introduction to diseases. (12 periods)**

Causes, mode of transmission, symptoms and prophylaxis of the following:

- Covid
- Dengue
- Rabies
- Measles

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- Malaria
- Diarrhea

**Unit – IV: Dietary disorders (causes, symptoms and prevention)**

**(12 periods)**

- Malnutrition
- Anaemia
- Dietetics:
  - Balanced diet
  - Obesity and its implications.
  - Ill-effects of unplanned dieting.
  - Hazards of junk food.

**References:-**

1. Text book of Zoology-Hyman series McGraw Hills.
2. Text-book of Zoology-Parker and Haswell Vol. I. Mac Millan & Co. 1986, New York.
3. Parasitic protozoa-Baker. Allen & Unwin, Inc. USA.
4. Medical Parasitology- K. D. Charterjee
5. Arthropod Anatomy- Snodgrass. Principles of insect morphology (1935) Snodgrass, R.E. McGraw Hill London, New York.
6. Invertebrate- Bordale and Potts. C.L.
7. Invertebrate Zoology-Jordan,E.L.& P.S. Verma (S. Chand & Co. Ltd. Madras).
8. Economic zoology by Shukla & Upadhaya
9. Economic zoology by Vishaw Premi
10. Fish & Fisheries by S.K. Khanna

**Examination pattern shall be as under:-**

1. 15 marks shall be earmarked for internal assessment (5 marks for attendance +10 for assessment test).
2. Scheme for award of marks for attendance shall be same as followed by the College.
3. Internal assessment test shall be conducted after the completion of 40% of the syllabus in a particular course.

**Pattern for setting internal assessment test paper:-**

**Duration of the paper:-** 45 mins

The paper shall comprise of three sections:

- a) Short answer questions - Attempt two questions of 1 mark each out of three questions(Maximum of 20 words each)
- b) Medium answer question - Attempt two questions of 2 marks each out of three questions (Maximum of 30 words each)
- c) Long answer question - Attempt one question out of two questions of 4 marks(Maximum of 50 words)

**Note:-** Questions shall be set in such a way that the syllabi prescribed for the examination is fully represented

**Pattern of External Examination:-**

**Total marks:-** 60

**Time allowed:-** 2.5 hours

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**The paper shall comprise of 3 sections:**

- a) Short answer questions - 4 questions of 3 marks each (one question shall be asked from each unit).All questions are compulsory.
- b) Medium answer questions – 4 questions of 6 marks each(one question shall be asked from each unit).All questions are compulsory
- c) Long answer questions:- 4 questions be set from four units, and the students shall be asked to attempt 2 questions only. Each question shall be of 12 marks.  
(The word limit shall be same as is the usual practice in external examination of similar weightage).