**P.G. GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**TEACHING PLAN (1st Semester)**

**SESSION (2018-19)**

**Class:** B.Sc.- II (1st Week)  **Name of the Teacher: Divya Sharma**

M.Sc.- II (2nd Week)

**Subject: ZOOLOGY Period:** M.Sc.- II (4th - 7th)

B.Sc.- II (4th)

**Paper:** B.Sc.- II: Paper-A (Room No: 126,218)

M.Sc.- II: Paper-XV Room No: 130 & 131)

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| **S. No.** | **Date from** | **Date upto** | Topics to be Covered |
| Week 1 | Jul. 30, 2018 | Aug. 04, 2018 | Biochemistry and its scope; Carbohydrates, proteins,: their classifications and functions. |
| Week 2 | Aug. 06, 2018 | Aug. 11, 2018 | Salient features with suitable examples of the various insect orders: Thysanura, Odonata, Isoptera, Orthoptera, Hemiptera, Coleoptera, Lepidoptera, Hymenoptera and Diptera. |
| Week 3 | Aug. 13, 2018 | Aug. 18, 2018 | Lipids and Nucleic acids: their classifications and functions. |
| Week 4 | Aug. 20, 2018 | Aug. 25, 2018 | Strucure and function of the Digestive System in insects |
| Week 5 | Aug. 27, 2018 | Sep. 01, 2018 | Transport of O2 and CO2, Oxygen dissociation curve of haemoglobin, |
| Week 6 | Sep. 03, 2018 | Sep. 08, 2018 | Strucure and function of the Respiratory System and Nervous System |
| Week 7 | Sep. 10, 2018 | Sep. 15, 2018 | Bohr effect, chloride shift, Haldane effect and control of breathing. |
| Week 8 | Sep. 17, 2018 | Sep. 22, 2018 | Plant host-insect interaction, Practices of Sericulture, Apiculture & Lac culture |
| Week 9 | Sep. 24, 2018 | Sep. 29, 2018 | Origin and regulation of heart beat, cardiac cycle, electrocardiogram |
| Week 10 | Oct. 01, 2018 | Oct. 06, 2018 | Systematic position, habits, nature of damage and outlines of the life cycles of pests of crops & vegetables |
| Week 11 | Oct. 08, 2018 | Oct. 13, 2018 | Digestion of dietary constituents, regulation of digestive processes and absorption. |
| **October 11-17, 2018 (Mid-Semester Exams)** | | | |
| Week 13 | Oct. 15, 2018 | Oct. 20, 2018 |  |
| Week 14 | Oct. 22, 2018 | Oct. 27, 2018 | Effect of temperature and photopteriod on the lives of insects, details of onset, termination and significance of diapause, Strucure and function of the Reproductive System |
| Week 15 | Oct. 29, 2018 | Nov. 03, 2018 | cardiac output, blood pressure and micro-circulation |
| Week 16 | Nov. 05, 2018 | Nov. 10, 2018 | Pests of stored food products with particular reference to their systematic position, habits, nature of damage caused by them along with the outlines of their life cycles |
| Week 16 | Nov. 12, 2018 | Nov. 17, 2018 | Revision of cardiac cycle, Oxygen dissociation curve of haemoglobin, |
| Week 17 | Nov. 19, 2018 | Nov. 24, 2018 | Chemical control : Categories of pesticides, important examples, their application and mode of action; Insect repellents and attractants, Biological Control : Principles, History, use of parasites, predators and Pathogens, Integrated Pest Management (IPM) |
| Week 18 | Nov. 26, 2018 | Dec. 01, 2018 | Revision of Biochemistry and its scope; Carbohydrates, proteins,: their classifications and functions. |