**Post Graduate Govt. College for Girls, Sector-42, Chandigarh**

**Teaching Plan Session (2017-18) (Sem 2nd, 3rd, 5th)**

**Class:** M Sc II  **Name of Teacher: Divya Sharma**

**Subject:** Zoology  **Period:** III - IV (Mon,Tues,Fri), IV (Wed -Thurs) (week 2)

**Paper: Advances in Entomology Room No:** 130

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Date from** | **Date upto** | **Topics to be Covered** |
| Week 1 | Jul. 22, 2017 | Jul. 29, 2017 | -------- |
| Week 2 | Jul. 31, 2017 | Aug. 05, 2017 | Salient features with suitable examples of the various insect orders: Thysanura, Odonata, Isoptera, Orthoptera, Hemiptera, Coleoptera, Lepidoptera, Hymenoptera and Diptera.  Strucure and function of the Digestive System in insects |
| Week 3 | Aug. 07, 2017 | Aug. 12, 2017 | -------- |
| Week 4 | Aug. 14, 2017 | Aug. 19, 2017 | Strucure and function of the Respiratory System and Nervous System |
| Week 5 | Aug. 21, 2017 | Aug. 26, 2017 | -------- |
| Week 6 | Aug. 28, 2017 | Sep. 02, 2017 | Plant host-insect interaction, Practices of Sericulture, Apiculture & Lac culture |
| Week 7 | Sep. 04, 2017 | Sep. 09, 2017 | -------- |
| Week 8 | Sep. 11, 2017 | Sep. 16, 2017 | Systematic position, habits, nature of damage and outlines of the life cycles of pests of crops & vegetables |
| Week 9 | Sep. 18, 2017 | Sep. 23, 2017 | -------- |
| Week 10 | Sep. 25, 2017 | Sep. 29, 2017 | Post embryonic development and types of metamorphosis in insects, Structural modifications in the larvae & pupae, Parthenogenesis in insects. |
| **October 10-17, 2017 (Mid-Semester Exams)** | | | |
| Week 12 | Oct. 23, 2017 | Oct. 28, 2017 | 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 13 | Oct. 30, 2017 | Nov. 04, 2017 | -------- |
| Week 14 | Nov. 06, 2017 | Nov. 11, 2017 | 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 15 | Nov. 13, 2017 | Nov. 18, 2017 | -------- |
| Week 16 | Nov. 20, 2017 | Nov. 25, 2017 | 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 17 | Nov. 27, 2017 | Dec. 03, 2017 | -------- |