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# RAJA RAMMOHUN ROY MAHAVIDYALAYA

[ Govt. Sponsored ]

RADHANAGAR \* NANGULPARA \* HOOGHLY  
WEST BENGAL PIN - 712406

**NAAC ACCREDITED B**

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## ADD-ON COURSE IN ZOOLOGY

### COURSE SUMMARY

#### NAME OF THE COURSE: APICULTURE

**Course Coordinators:** Dr Sunit Kumar Chakraborty  
Sri Agradiip Bhattacharya  
Sri Jyotirmoy Ghosal

Add-on course in zoology allow students to develop knowledge in the interesting topic of zoology (Apiculture). The course aims to provide practical and theoretical skills of Apiculture and also provide a concentrated curriculum that allows learners to enhance their awareness of animal life while also opening up new job prospects in this area. Add-oncourses in zoology are suitable for anyone who have a love of animals and want to learn and earn more about them.

#### **Syllabus covered:**

Day 1	Introductory class
Day 2-6	History and importance of apiculture; the systematic position of bees; general morphology and biology; castes of honeybees; life cycle of the honeybee.
Day 7-10	Rearing -selection of good apiary site; selection of good bee;Structure Of Different Beehives Or Honeycomb; Langstroth and Newton hive.
Day 11-15	Description of modern movable beehive; accessory equipment used in bee keeping industry. Extraction of honey; important points regarding the handling of bees.
Day 16-18	Products of Apiculture: Honey, wax, etc. Chemical Compositions; use; other products like propolis, royal jelly, apitoxin, etc.
Day 19-20	Diseases And Enemies: parasitic diseases; other enemies.
Day 21-23	Practical and Visit local Apiary site
Day 24-27	Entrepreneurship in Apiculture: Beekeeping as a source of employment and livelihood.
Day 28-29	Doubt clearing
Day 30	Course Evaluation

**Faculty:** Dr Mamata Dey, Dr Debnarayan Saha, Dr Sunit Kumar Chakraborty, Sri Agradiip Bhattacharyya, Sri Jyotirmoy Ghosal.

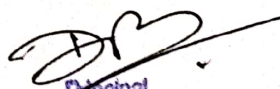
**Technical Staffs:** Sri Samar Kanti Mandal, Sri Suvendu Mitra.

**Duration:** 30 Days (30 classes of one hour each)

**Evaluation:** MCQ Examination.

M. Dey  
HEAD  
DEPARTMENT OF ZOOLOGY  
R.R.R. MAHAVIDYALAYA  
RADHANAGAR, NANGULPARA, HOOGHLY



  
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