

Serampore College

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Founded by Carey, Marshman and Ward 1818
Incorporated by Royal Charter 1827 and
Bengal Govt. Act IV of 1918 as
Modified up to 1997 by the
Govt. Of West Bengal

9, William Carey Road,
Serampore, Hooghly
West Bengal, India
PIN- 712201



(Re- Accredited “A” Grade by NAAC)
Affiliated to University of Calcutta

DATE: 18/06/2018

NOTICE

Applications are invited for “**Certificate Course on Medicinal Plants: Traditional Knowledge and Sustainable Approaches**” for the Session- 2018.

Application forms are available in the College Website:

www.seramporecollege.org

Download the form, print the form and fill up the relevant details.

Application in prescribed format with necessary documents is to be submitted to the Course Coordinator with **Rs. 100 (Rupees one hundred) in cash**. Applications by hand only will be accepted and must reach the **Course Coordinator, Department of Botany, Serampore College, Serampore, Hooghly** between **11 a.m. and 3:00 p.m.** on all working days (**up to 1 p.m. on Saturday**) within **30.06.2018**.

Mere submitting applications does not qualify one for admission.

- **DURATION OF THE COURSE:** 6 months.
- **NAME OF THE COURSE COORDINATOR:** Dr. Suman Datta, Assistant Professor, Department of Botany, Serampore College
- **OBJECTIVES:** The objective of the course is to introduce career and market oriented, skill enhancing “Add-on-course” that have the utility for job, self-employment and empowerment of students. After completion of the course the students will be equipped with an additional Add-on Course certificate and will be able to earn by preparing herbal products and daily usable commodities. They will also be able to join any herbal product manufacturing company with the knowledge from both traditional as well as modern approaches. They can also participate in the conservation programmes as well as propagation of selected indigenous medicinal plants for industrial use. This course has the provision to include students from different fields *i.e.* it is multidisciplinary in nature; thus, students from any stream can pursue this course easily and smoothly.
- **ELIGIBILITY:** H. S. And above. No Age bar.
- **INTAKE CAPACITY:** 30.
- **CLASS TIMING:** Saturday (11 am to 4: 30 pm) in Department of Botany, Serampore College.

- **PROGRAMME DETAILS:**

The course will be of 20 Credits of which 8 Credits will be assigned for Field work/ Project work / Training, the proof of which will be submitted during examination, *viz.* Work Experience Certificate/ Dissertation/ Report, etc.

Paper- I : Theoretical (7 Credits)

Paper- II : Practical (5 Credits)

Paper- III : Field Study/ Project Work (8 Credits)

➤ **Paper- I Theory: Marks- 70 (Credit- 7)**

Traditional Indian system of medicine ; Basic Botany; Ethnobotany; Utilization of fats, volatile oil, carbohydrate, gum, resin, latex etc in treatment procedures.

Propagation, cultivation technique; Conservation and protection of medicinal plants; Procedure of extraction and evaluation of herbal drugs; Chemical composition of some economically important alkaloids & their mode of action; Selected (traditional) herbal formulations for household remedies; Nutritional therapies; Patenting and Intellectual Property Right.

➤ **Paper- II Practical: Marks- 50 (Credit-5)**

Chemical tests for- tannin, alkaloid, flavonoids, phenols, fixed and volatile oils, glycosides, etc.; Powder microscopy; Histochemical tests; Field identification and identification in preserved condition of some common and locally available medicinal plants/ parts; Extraction, evaluation and standardization of drugs.

➤ **Paper- III : Field study/ Project work_80 Marks (8 Credits)**

1. Visit to a medicinal plant garden. 10
2. Visit to an herbal drug institute/ industry. 10
3. Visit to a well equipped laboratory for isolation and purification of drugs. 10
4. Preparation of project on Demonstration of some common medicinal plants and their use in household remedies/ Protection and propagation of herbal drugs/ Marketing & management of herbal drugs. 40
5. Viva voce. 10

• **FEE STRUCTURE-**

Admission-	Rs.1000 /-
Laboratory fees-	Rs. 1500/-
Tuition fees-	Rs. 3000/- (for six months)
Library fees-	Rs. 500/-
Caution money-	Rs. 500/-

Total: Rs.6500/- (Rupees six thousand five hundred only)

Publication of list of candidates: Valid List of Selected candidates will be published based on first come first serve basis in the official college website on 4th July, 2018 at 5 pm.

Date of admission: 6th & 9th July, 2018 (11 am to 1 pm)

****N.B.** - No money will be refunded after admission. The amount is to be paid by **Demand Draft** only in favour of “**Principal, Serampore College**”, payable at Serampore/ Kolkata.

For any query contact: **Dr. Suman Datta**

Assistant Professor,

Department of Botany

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