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PRACTICAL NOTE BOOK

ON
HISTOLOGY
B.Sc. GENERAL COURSE

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Practical Note Book on Histology

FOR
B. Sc. General Course
in
Physiology

Dr. S. R. Dasgupta by and Dr. R. N. Sen

(Thoroughly Revised Edition)



THE PHYSIOLOGICAL SOCIETY OF INDIA

92, ACHARYYA PRAFULLA CHANDRA ROAD, KOLKATA-700 009

2005

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PREFACE

The first edition of the Practical Note Book on Histology for the undergraduate students of Physiology was published by the Physiological Society of India in 1982. This had been possible by the generous and determined help provided by Late Dr. S. H. Dasgupta, the then Head of the Department of Physiology, Raja Peary Mohan College, Uttarpara in the preparation of the preliminary draft of the Note Book at that time. Subsequently the second, third, fourth and fifth editions had been published in 1983, 1985, 1988 and 1995, respectively.

In the mean time, the syllabus of Physiology General Course offered by the different Universities of West Bengal has been revised. To fulfil the requirement of the students as per revised syllabus, the Physiological Society of India felt the immediate need of revising the Practical Note Book on Histology and the task of revising the Practical Note Book was entrusted to the Practical Note Book Sub-Committee of the Society which had been reconstituted with Dr. Shyamal RoyChoudhury as the convener and Dr. M. S. Ghosal, Dr. Prithindra Nath Banerjee, Prof. Chandan Mitra, Dr. Suradis Chandra Datta, Prof. Tushar Kanti Ghosh, Dr. Sumantra Chanda, Dr. Prakash Dhara, Dr. Alok Ranjan Koley, Dr. Pranabes Nath, Dr. Bulbul Thakur, Dr. Anjan Biswas, Dr. Ramjyoti Ganguli, Dr. Asima Das and Dr. Gautam Paul as members.

The present edition has been thoroughly revised, particularly sections of staining of histological slides, platelet counting and haematological experiments, and characteristics of histological sections of different tissues have been amended appropriately with additions and alterations. Another new feature of the present edition is the inclusion of labelled diagrams of histological sections of tissues for the benefit of the students.

The Society expresses its deep sense of gratitude to all the members of the Publication Sub-Committee for the commendable job they have done during the whole exercise of revising this Practical Note Book. Special thanks are particularly extended to Dr. Prithindra Nath Banerjee, Dr. Alok Ranjan Koley and Dr. Shyamal RoyChowdhury for devoting much of their valuable time to this exercise to make the present Note Book a resourceful document for the students as well as the teachers of Physiology. Last but not the least thanks are also extended to Dr. Somnath Gangopadhyay and Sri Goutam Ghoshal for their invaluable help in the preparation of labelled diagrams of histological sections by the computer.

In spite of the utmost care taken, there may be some errors in the body of the Practical Note Book, for which responses from the teachers will be highly appreciated. This will enable us to make necessary corrections in the future edition.

15th July, 2005
92, Acharyya Prafulla Chandra Road
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Prof. Ajay K. Chatterjee
Hony. General Secretary
The Physiological Society of India

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