

3518

PRACTICAL NOTE BOOK

ON
HISTOLOGY
HONOURS COURSE

NAME _____

CLASS _____ ROLL NO. _____

COLLEGE _____

UNIVERSITY ROLL NO. _____

REGISTRATION NO. _____ YEAR _____



PUBLISHED BY

THE PHYSIOLOGICAL SOCIETY OF INDIA

92, ACHARYYA PRAFULLA CHANDRA ROAD, KOLKATA-700 009

2016

Practical Note Book on Histology

FOR
B. Sc. Honours Course
in
Physiology

by
Dr. S. R. Dasgupta and Dr Chandidas Dey

(Thoroughly Revised Edition)



THE PHYSIOLOGICAL SOCIETY OF INDIA

92, ACHARYYA PRAFULLA CHANDRA ROAD, KOLKATA-700 009

2005

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Hons. Course First Edition—1996

Reprint—1998

Reprint—2000

Reprint—2001

Reprint—2004

Second Edition—2005

PRICE Rs. 100.00

Published by : Prof. A. K. Chatterjee, Hony. General Secretary, PSI on behalf of the Physiological Society of India,
92, Acharyya Prafulla Chandra Road, Kolkata-700 009.

Printed by : Rajkumar chakrabarty of Raj Trading Corporation, 24A Bindhya Basinitala Road, Kolkata-700057,
Dial-2564-1087 at Jayasree Press, 91/1B, Baithakkhana Road, Kolkata-700 009. Dial : 2351 4378.

PREFACE

The first edition of the Practical Note Book on Histology for the undergraduate students of Physiology Honours Course was published by the Physiological Society of India in 1996. This had been possible by the generous and determined help provided by Late Dr. S. R. Dasgupta, the then Head of the Department of Physiology, Raja Peary Mohan College, Uttarpara and Dr. Chandidas Dey in the preparation of the manuscript.

The Physiological Society of India would remain ever grateful to them and also to those who had endeavoured in bringing out this Practical Note Book to meet the demands of the students and the teachers of Physiology. In the mean time, the syllabus of Physiology Honours 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, reticulocyte staining, 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 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
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Prof. Ajay K. Chatterjee
Hony. General Secretary
The Physiological Society of India

CONTENTS

LESSON	1	Epithelial Tissue	...
LESSON	2	Endothelium	...
LESSON	3	Columnar Epithelium	...
LESSON	4	Ciliated Epithelium : Ciliary Movement	...
LESSON	5	Transitional Epithelium	...
LESSON	6	Areolar Tissue	...
LESSON	7	Adipose Tissue	...
LESSON	8	White Fibrous Tissue	...
LESSON	9	Cartilage	...
LESSON	10	Bone	...
LESSON	11	Blood : Preparation of Blood Film	...
LESSON	12	Blood Film	...
LESSON	13	Staining of Reticulocyte	...
LESSON	14	Haemin Crystal	...
LESSON	15	Total Count of RBC and WBC	...
LESSON	16	Differential Count	...
LESSON	17	Arneth Count	...
LESSON	18	Bone Marrow	...
LESSON	19	Measurement of the Diameter of Megakaryocyte	...
LESSON	20	Determination of Platelet Count	...
LESSON	21	Determination of Coagulation Time and Bleeding Time	...
LESSON	22	Measurement of Specific Gravity	...
LESSON	23	Determination of Fragility of Human Red Blood Corpuscles	...
LESSON	24	Estimation of Hæmoglobin in Blood by Hellige or Sahli's Hæmoglobinometer	...
LESSON	25	Demonstration of Sedimentation Rate of Red Blood Cells	...
LESSON	26	Determination of Packed Cell Volume (P.C.V.) by Hæmatocrit (Wintrobe's Method)	...
LESSON	27	Calculation of Hæmatological Indices	...
LESSON	28	Muscular Tissue : Striated Muscle, Smooth Muscle and Cardiac Muscle	...
LESSON	29	Nervous Tissue : Nodes of Ranvier.	...
LESSON	30	Cells Spaces of Cornea	...
LESSON	31	Identifying Characters for Sections of Different Tissues or Organs stained with Hæmatoxylin and Eosin and to draw Labelled Diagrams	...
LESSON	32	Permanent Tissue Preparation	...
LESSON	33	Dehydration	...
LESSON	34	Clearing	...
LESSON	35	Embedding	...
LESSON	36	Section Cutting	...
LESSON	37	Histological Staining Methods	...