

P. G. Shinde    Dr. H. M. Pednekar  
Dr. Debajit Sarkar    Dr. Sachin Pendse  
Dr. Moushumi Datta    Dr. Deepak S. Narkhede  
Dr. Priti Gupta    Ravindra Deodhar  
Neeta Rath    Chandrakala H. Joshi

**FREE E-BOOK**  
of Entire Theory Questions &  
Answers with Scratch Card with  
an in-built App for practicing MCQ.

Ability Enhancement Course (AEC)

# Environmental Studies

F.Y. B.Com. Semester-II



*Slawa*



333.7  
SHI/OTH  
EX3350



**SHETH**  
PUBLISHERS PVT. LTD.

Prepared as per the new syllabus for 100 marks pattern Credit Based Semester and Grading System  
which is into effect from the academic year 2016–2017.

**ABILITY ENHANCEMENT COURSE (AEC)**

# ENVIRONMENTAL STUDIES

**F.Y. B.Com.  
(Semester – II)**

**P.G. SHINDE**

Ex Vice-Principal,  
V.P.M.'s Joshi-Bedekar Arts and  
Commerce College, Thane.

**Dr. H.M. PEDNEKAR**

Principal & Head,  
Dept. of Geography,  
S.G.V & S.S.P  
Arts, Commerce & Science College  
Onde, Dist. Palghar

**Dr. DEBAJIT SARKAR**

Principal,  
SKM's J. M. Patel College of Commerce,  
Goregaon (W), Mumbai.

**Dr. SACHIN PENDSE**

Tolani College of Commerce,  
Andheri, Mumbai.

**Dr. MOUSHUMI DATTA**

Nagindas Khandwala College  
of Arts & Commerce,  
Malad (W), Mumbai.

**Dr. DEEPAK S. NARKHEDE**

Changu Kana Thakur,  
Arts, Commerce & Science College,  
New Panvel.

**Dr. PRITI GUPTA**

Thakur Degree College of Science  
and Commerce,  
Kandivli (E), Mumbai.

**RAVINDRA DEODHAR**

SIWS N. R. Swamy College of Commerce  
and Economics, Wadala, Mumbai.

**NEETA RATH**

Viva College of Arts, Science  
& Commerce, Virar.

**CHANDRAKALA H. JOSHI**

K.P.B. Hinduja College of Commerce,  
Mumbai.

**When you care enough to be better than the best**

**SP<sup>®</sup>**  
**SHETH<sup>®</sup>**  
PUBLISHERS PVT. LTD.

**MUMBAI**

**PUNE ☆ GOA ☆ NAGPUR**

**VADODARA ☆ BHAVNAGAR**



# Sheth Publishers Private Limited

## Our Foot Prints

<b>Regd. Office &amp; Show Room</b>	: Unit No. 4, Ground Floor, Lalwani Industrial Estate, 14, G.D. Ambekar Marg, Wadala, Mumbai – 400 031. ☎ (022) 6662 4553 / 6662 4554 FAX : 6662 4556 Email : support@shethpublishers.com
<b>Goa</b>	: 'PALLAV-KUNJ', Borda, Margao, Goa, ☎ (0832) 2733436
<b>Pune</b>	: 302, Mahalaxmi Chambers, 3 <sup>rd</sup> Floor, Appa Balwant Chowk, 23, Budhwar Peth, Pune-411 002. ☎ (020) 24450773
<b>Nagpur</b>	: Shreeniwas Apt., Mukundraj Lane, Opp. Dharampeth Mahila Bank, Walker Road, Mahal, Nagpur – 440 002. ☎ (0712) 2737052
<b>Vadodara</b>	: Joshi Brother's Krishna Krupa Miradatar's Tekro, Navabazar, Vadodara – 390001 (Gujarat). ☎ 0265-2418911 / 2411287
<b>Bhavnagar</b>	: Shah & Co. High Court Road, Bhavnagar (Gujarat). ☎ (0278) 2516679

**Price : ₹ 130/- only**

**(Including Map Book in Environmental Studies)**

**ISBN - 978-93-86723-41-3**

### © Authors

**First Edition** : November, 2016

**Second Edition** : November, 2017

### Note to the Maps :

The territorial waters of India extend into the sea a distance of twelve nautical miles measured from the appropriate base line. Based upon Survey of India map with the permission of the Surveyor General of India vide Sanction letter No. T.B./1304/62-A-3/A-1 dated 23<sup>rd</sup> May, 1994.

### © Government of India, Copyright 1994.

*Every possible effort has been made to avoid errors and omissions in this publication by the Authors and the Publishers. In spite of this effort, some typographical errors might have crept in. Any mistake, error or discrepancy noted may be brought to our notice which shall be taken care of in the forthcoming edition. It is hereby notified that neither the Author nor the Publishers or seller will be liable for any damage or loss to anyone, in any manner, there from. It is suggested that to avoid any doubt the reader should cross-check all the facts, law and contents of the publication with original Government publication or notifications wherever applicable.*

*The text of this publication, or any part thereof, may not be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, storage in an information retrieval system, or reproduced on any disc, tape, perforated media or other information storage device, etc., otherwise, without the prior written permission of the publisher and author. No key to this book can be prepared without the prior written permission of the Publishers. Any violation will invite prosecution legal action under the Indian Copyright Act.*

*This book is sold subject to the condition that it shall not by way of trade or otherwise, be lent, resold, hired out or circulated.*

*For binding mistakes, misprints or for missing pages, etc., the publishers' liability is limited to replacement within one month of purchase by similar edition. All expenses in this connection are to be borne by the purchaser.*

*All disputes are subject to jurisdiction of courts, tribunals and forums at Mumbai only.*

**Published &** : Sheth Publishers Private Ltd., Unit No. 4, Ground Floor,  
**Printed by** : Lalwani Industrial Estate, 14, G.D. Ambekar Marg, Wadala, Mumbai – 400 031.  
☎ 6662 4553 / 6662 4554 FAX : 6662 4556.



# CONTENTS

## Unit - I

1. Classification Waste 1 - 8
2. Solid Waste Management 9 - 19

## Unit - II

3. Environment Problems Associated with Agriculture 20 - 34
4. Environmental Problems Associated with Industries 35 - 59

## Unit - III

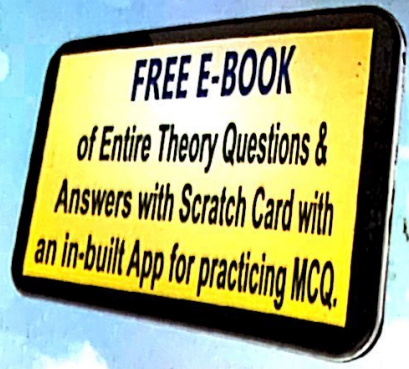
5. Tourism 60 - 78
6. EcoTourism 79 - 88

## Unit - IV

7. Environment Movements 89 - 96
8. Environment Management 97 - 113
9. Environment Protection Acts and GST 114 - 122
- Map 123
- Univ. Question Paper April 2017 124 - 126



# Our Outstanding Publications for F.Y. B.Com. Semester - I & II



## CORE COURSES (CC)

**MATHEMATICAL AND STATISTICAL TECHNIQUES**  
Joshi, Chittle, Rege, Venkat, Pandey

**MATHEMATICAL AND STATISTICAL TECHNIQUES**  
Annapoornaa, Gabhe, Nádgauda

## SKILL ENHANCEMENT COURSE (SEC)

**FOUNDATION COURSE - II**  
Shinde, Bhagwat, Nimbalkar, Chakne

DIGITAL EDITION AVAILABLE

**SOCIAL ISSUES - (F.C.-II)**  
Basantani

पायाभुत अभ्यास - १  
लिमण, वाघमारे

## ABILITY ENHANCEMENT COURSES (AEC)

**BUSINESS COMMUNICATION - II**  
Doctor, Doctor, Hussaini, Chakne

DIGITAL EDITION AVAILABLE

**ENVIRONMENTAL STUDIES**  
Shinde, Pednekar & others

DIGITAL EDITION AVAILABLE

**MAP-BOOK IN ENVIRONMENTAL STUDIES**  
Shinde, Pednekar, Sarkar, Pendse, Dongre, Zarekar

पर्यावरण शिक्षण  
शिंदे, पेडणेकर, महाजन, चव्हाण, परमार, देवधर

## ELECTIVE COURSES (EC)

**ACCOUNTANCY AND FINANCIAL MANAGEMENT - II**  
Chopde, Choudhari, Patel, Dharawat, Naringrekar

DIGITAL EDITION AVAILABLE

**SERVICES SECTOR - (Commerce - II)**  
Ajagaonkar, Patkar

DIGITAL EDITION AVAILABLE

**INTRODUCTION TO BUSINESS - (Commerce - II)**  
Ajagaonkar, Patkar

DIGITAL EDITION AVAILABLE

**BUSINESS ECONOMICS - II**  
Mithani, Sayyed

DIGITAL EDITION AVAILABLE

**BUSINESS ECONOMICS - II**  
Rajalakshmy, Kalkoti

DIGITAL EDITION AVAILABLE

व्यावसायिक अर्थशास्त्र  
देशमुख, विभूते

व्यवसाय व सेवा क्षेत्राची ओळख  
लिमण, रावेरकर



*Sheth*

**SHETH**  
PUBLISHERS PVT. LTD.

Unit No.4, Ground Floor, Lalwani Industrial Estate, 14, G.D. Ambekar Marg, Wadala, Mumbai-400 031  
Tel.: (022) 6662 4553, 6662 4554, Fax: 6662 4556, e-mail: support@shethpublishers.com

ISBN - 978-93-86723-41-3



Price - ₹ 130.00