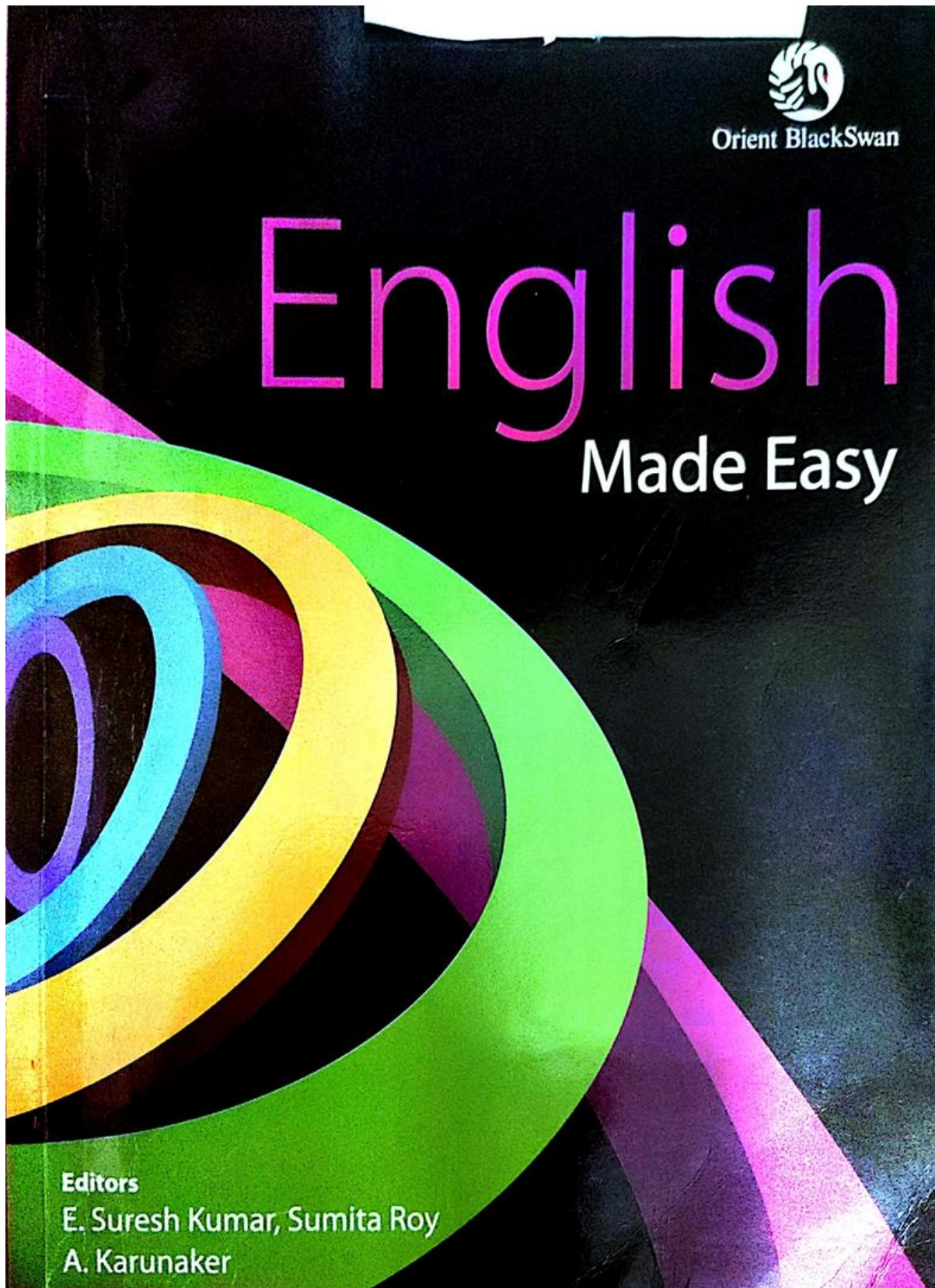


Books

2016-2017

S.No 1. Anita Abraham



MATERIALS DEVELOPMENT TEAM

Lessons 1 and 5	Dr J. Savithri, Dr A. Sreedevi, Dr C. Sharada, Dr Mrudula Lakkaraju
Lesson 2	Dr B. Vijaya, Dr Subhashini Singh Rajpuri, Venkatasubba Rao, Dr Melissa Helen
Lessons 3 and 8	Dr Angela Moorjani, Anita Abraham, Dr J. Madhavi, Aditya Verma
Lessons 4 and 6	Dr B. Brahmananda Chary, Dr Maithry Shinde, Madhuri Mathur, Nancy D' Souza, Dr Rachel Irdaya
Lesson 7	Dr B. Krishnaiah, Mr. T. Venkat Rajaiah, Dr K. Nageshwara Rao and Dr B. Ashok

English Made Easy offers undergraduate students a comprehensive course in English. This textbook contains lessons on short fiction, prose, poetry and drama. It also includes additional reading passages that focus on the 'local colour' or arts and culture of the state of Telangana, in order to help learners identify and connect with the content. While the focus of each lesson is on language learning (through sections on pronunciation, grammar, vocabulary, spelling, punctuation, writing and conversation), **English Made Easy** aims to contribute to the holistic development of students by including sections on soft skills and value orientation. This will help them prepare for future professional endeavours.

E. Suresh Kumar is Vice Chancellor, EFL University. Prior to this, he was Registrar of Osmania University and Professor of English. He served as Head of the Department of English, Osmania University, and Director of the English Language Training Centre, Osmania University. He has authored several books on English Language Teaching. He has visited several universities in the USA, the UK, the UAE, France, Germany, Switzerland, Belgium, Sri Lanka, Malaysia, and other countries on special invitations. He is a resource person at the Police Academy, the Central Detective Training School, and at the academic staff colleges of various universities. He received the Best Teacher Award from the State Government in 2012.

Sumita Roy is Head of the Department of English, Osmania University, and Director of the English Language Training Centre, Osmania University. She has had numerous research articles and books published. In 2006, she was awarded the prestigious Books on Books Award by the Federation of Indian Publishers. Her YouTube videos on English language skills have attracted millions of followers.

A. Karunaker is Chairman of the Board of Studies, Department of English, Osmania University, Hyderabad. He is also the Director of the Osmania University Centre for International Programmes (formerly ASRC). He is the founding editor of *Re-Markings* (an international biannual research journal), and his essays and articles have appeared in numerous research journals.

Cover design: OSDATA, Hyderabad

₹ 125.00



Orient BlackSwan

E Suresh Kumar, Sumita Roy & A Karunaker: *English Made Easy*

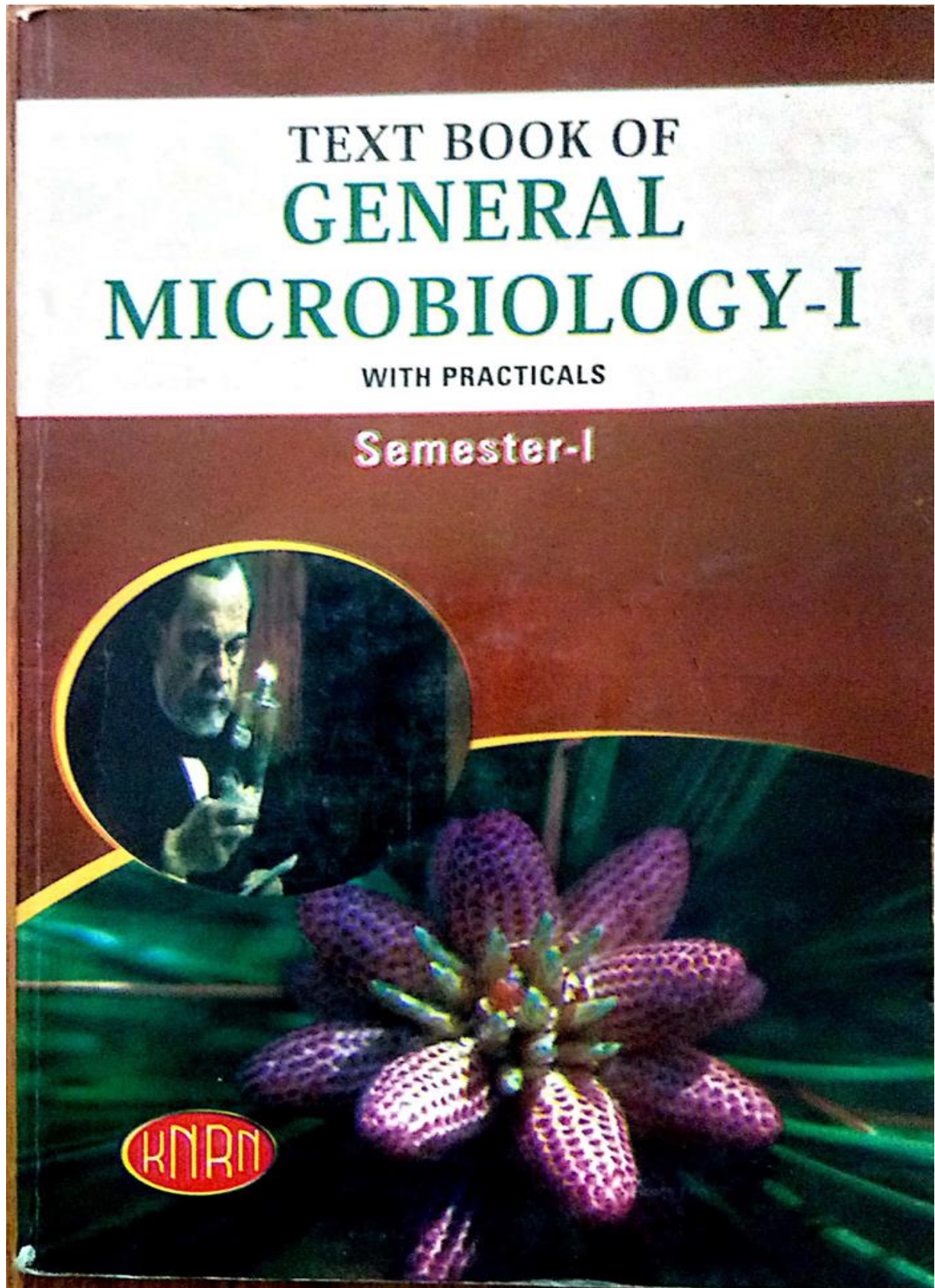
www.orientblackswan.com

ISBN 978 81 250 6334 6



9 788125 063346

S.No 2 A. Madhuri



BASED ON NEWLY REVISED CHOICE BASED CREDIT SYSTEM
OF COMMON CORE SYLLABUS OF TELANGANA STATE
COUNCIL OF HIGHER EDUCATION

A Text Book of
**GENERAL
MICROBIOLOGY-I**
(WITH PRACTICALS)

[For B.Sc. I Year, Semester-I (Paper-I)]

Editor :

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology,
Nizam College, Osmania University,
Hyderabad

Authors :

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology,
Nizam College, Osmania University,
Hyderabad

Dr. A. Madhuri

Assistant Professor & Head
Govt. Degree College For Women (A)
Begumpet,
Hyderabad

Ms. I. Marian Rajini

Assistant Professor
Govt. Degree & PG College (W)
Hussainizlam, Hyderabad

**KEDAR NATH RAM NATH
MEERUT**



**TEXT BOOK OF
GENERAL
MICROBIOLOGY-I**
WITH PRACTICALS

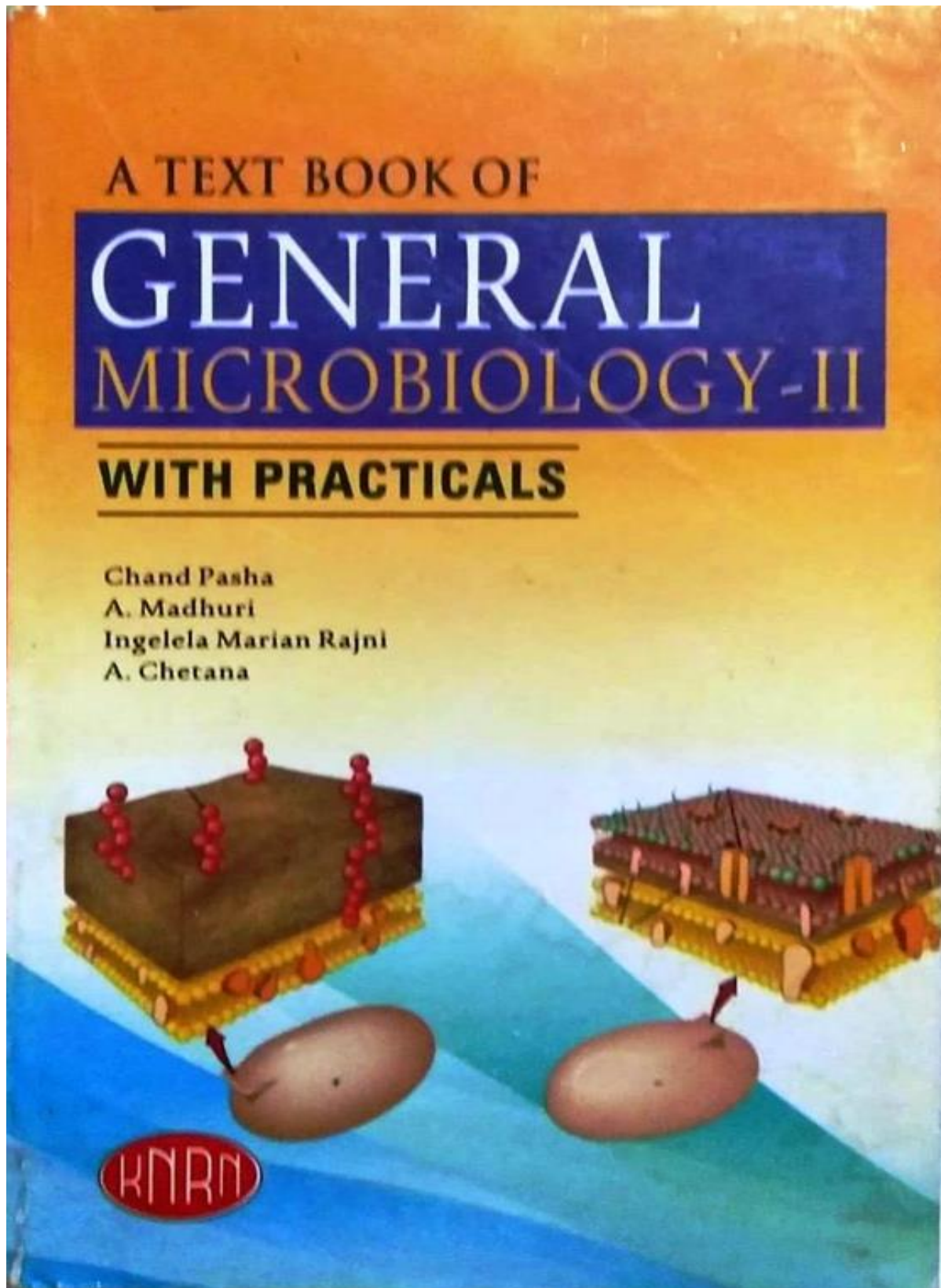


KEDAR NATH RAM NATH

132, R.G. College Road, Meerut - 250001 (U.P.) INDIA
web : www.knrmpublications.com



S.No 3 Dr. A. Madhuri



BASED ON NEWLY REVISED CHOICE BASED CREDIT SYSTEM OF COMMON CORE
SYLLABUS OF TELANGANA STATE COUNCIL OF HIGHER EDUCATION

A Text Book of
General
MICROBIOLOGY-II

(WITH PRACTICALS)

B.Sc. I Year—Semester-II (Paper-II)

Editor

Dr. Chand Pasha

Assistant Professor & Head
Deptt. of Microbiology,
Nizam College, Osmania University,
Hyderabad

Authors :

Dr. Chand Pasha

Assistant Professor & Head
Deptt. of Microbiology,
Nizam College, Osmania University,
Hyderabad

Dr. Ingelela Marian Rajini

Govt. Degree & PG College (W)
Hussainialam, Hyderabad

Dr. A. Madhuri

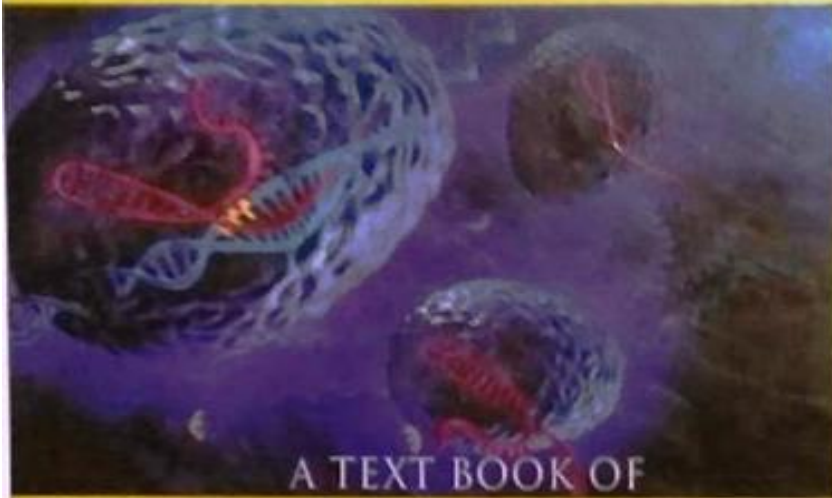
Assistant Professor & Head
Deptt. of Microbiology,
Govt. Degree & PG College (W)
Hussainialam, Hyderabad

Dr. A. Chetana

Assistant Professor
Deptt. of Microbiology,
Nizam College, Osmania University,
Hyderabad

KEDAR NATH RAM NATH

CHIPPI TANK, MEERUT



A TEXT BOOK OF
GENERAL
MICROBIOLOGY-II



KEDAR NATH RAM NATH

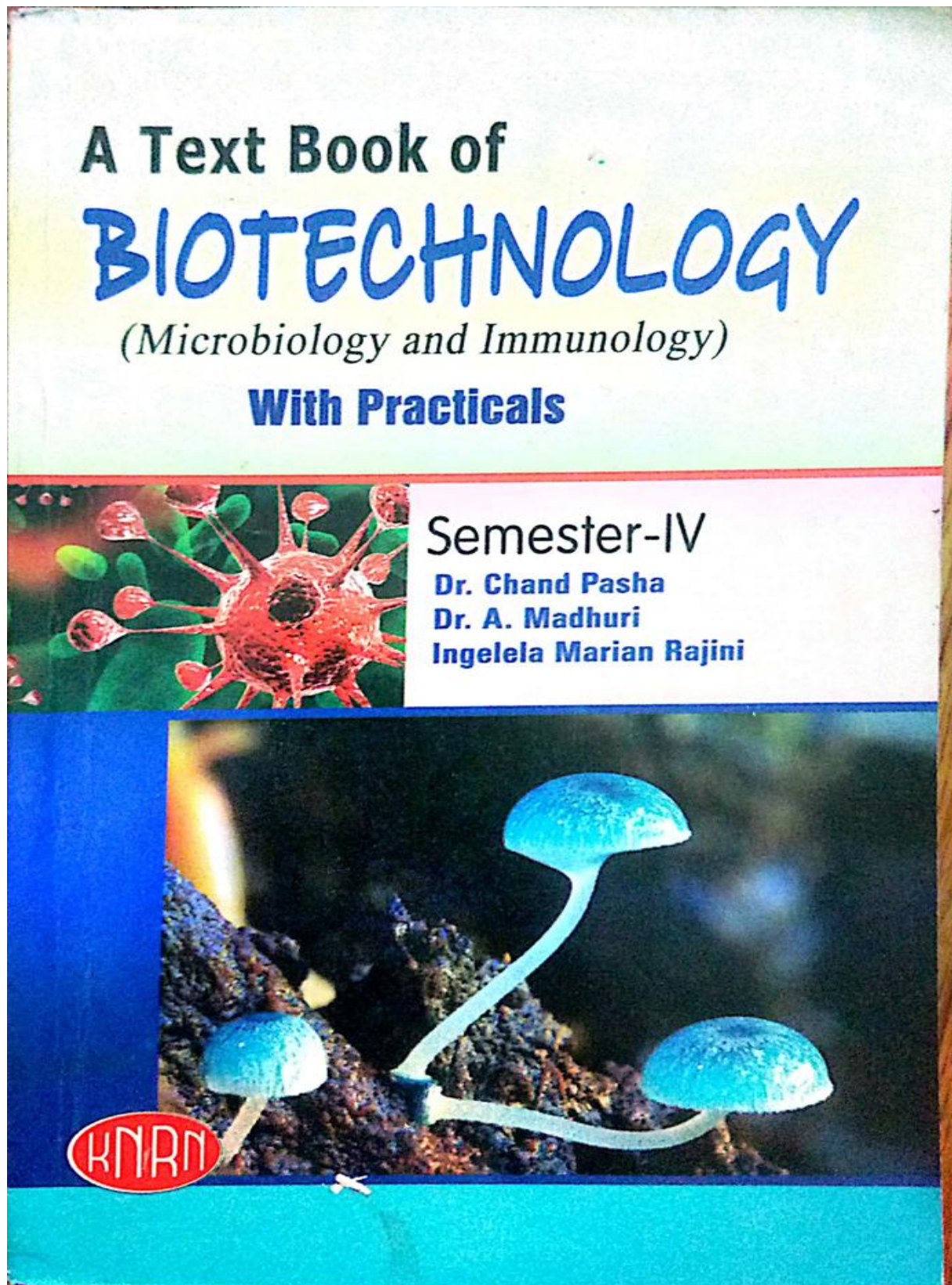
132, R.G. College Road, Meerut - 250001 (U.P.) INDIA
web : www.knrnpublishations.com

ISBN 978-00700-6



9789367007000

S.No 4 Dr. A. Madhuri



BASED ON NEWLY REVISED CHOICE BASED CREDIT SYSTEM OF COMMON
CORE SYLLABUS OF TELANGANA STATE COUNCIL OF HIGHER EDUCATION

A Text Book of
BIOTECHNOLOGY
(Microbiology and Immunology)

▶▶ (WITH PRACTICALS) ◀◀

B.Sc. II Year—Semester-IV (Paper-IV)

Editor

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology,

Coordinator : Department of Biotechnology
Nizam College, Osmania University, Hyderabad

***SPECIMEN COPY
NOT FOR SALE***

Authors :

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology,
Coordinator : Department of Biotechnology
Nizam College, Osmania University,
Hyderabad

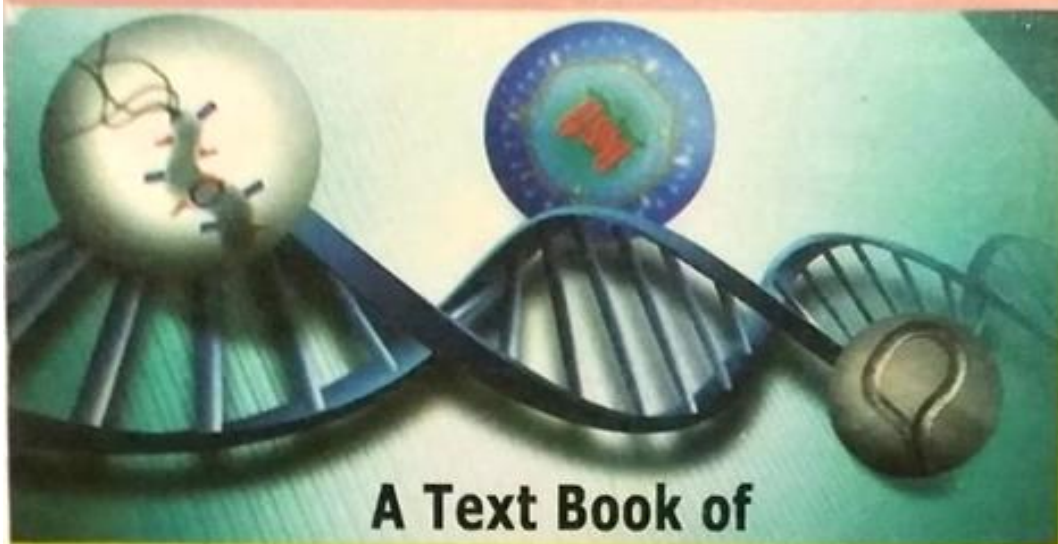
Dr. A. Madhuri

Assistant Professor & Head
Department of Microbiology,
Govt. Degree College (W)
Hussainialam, Hyderabad

Ingelela Marian Rajini

Lecturer
Govt. Degree College (W)
Hussainialam, Hyderabad

KEDAR NATH RAM NATH
CHIPPI TANK, MEERUT



A Text Book of

BIOTECHNOLOGY

(Microbiology and Immunology)



KEDAR NATH RAM NATH

132, R.G. College Road, Meerut - 250001 (U.P.) INDIA
web : www.knrnpublishations.com



9 789387 007346

Gender Sensitization Through Education

V. Vijayalakshmi¹, P. Surekha², A. Srivani³

^{1,2,3}A. Government Degree college for women, Begumpet, Hyderabad.

Abstract

The absence of a democratic context has contributed to slow progress in empowering women. Women's empowerment movements have not survived in authoritarian regimes based on gender subordination and ideologies of male dominance. Approaches have necessarily focused on opportunities and services rather than on political power. Conceptualizations of gender discrimination and male domination have been oversimplified and focused on elimination of obvious oppressive practices such as wife beating or dowry demands. Empowerment of women that will have lasting impacts must involve consciousness raising before the social construction of gender, which subordinates women in the family, class, caste, religion, or society, can be changed. Some experimental approaches to empowerment like Integrated development, economic empowerment, and consciousness raising have been thought to empower women. Consciousness raising has been implemented in awareness groups and education that have led to a new consciousness, self worth, societal and gender analysis, and access to skills and information. The economic empowerment approach has relied on improving women's control over economic resources and strengthening women's economic security. Grameen Bank has provided one example of organizing women around savings and credit, income generation, and skill training activities. Integrated development approaches have encouraged women's collectives that have engaged in development and social problem resolution and formed specialized activity groups as means of mobilization of women. No one design has assured success. Identification of the poorest and most oppressed in a geopolitical area has provided an entry point for action. Women were encouraged to find a separate time and space for themselves. The three aforementioned approaches have different assumptions about the reason for women's powerlessness: greater poverty and lower access to resources, economic vulnerability, and subordination within patriarchal societies and socioeconomic inequalities.

INTRODUCTION

Gender encompasses socially constructed and culturally based roles of men and women with a view to understand how unequal power relations between them are shaped and operated. Gender and its accompanying power relations are built in all institutions of society be it family, educational institutions, work places, beliefs, norms, etc. Gender relations do not operate in a social vacuum but are the products of the ways in which institutions are organized and reconstituted. Gender sensitization is all about changing behavior and instilling empathy into the views that we hold about our own and other sex. It helps people in examining their personal attitudes and beliefs and questioning the 'realities' they thought they know. Gender sensitization acquaints men and women with each other's existence and to gain fruitful results in an organization as well as at home. Gender is determined socially; it is the societal meaning assigned to male and female. All institutions of society exhibit gender disparity as gender is rarely thought to be important and hardly understood and addressed. Gender roles are socially constructed according to their needs; when needs change these roles are also need to change. Gender sensitivity helps to generate respect for the individual regardless of

CONCLUSION

Empowering women socially, economically, educationally politically and legally is going to be a Herculean task. It is not going to be easy to change the culture of disregard for women which is so deep-rooted in Indian society. But it does not mean that it is implausible. Only revolutions bring changes in a day, but reforms take their time. This one in particular will take its time as well. The idea of women empowerment might sound hard by the yard, but by the inch, it is just a cinch. All we need is a concentrated effort focused in the right direction that would rest only with the liberation of women from all forms of evil. Even in the modern era gender issues like female feticides, incomplete schooling, discrimination in work etc. Women are discriminated in sending to schools and colleges especially after completion of middle school-level. This article gives that women does more work than men but, many of these hours are unpaid

REFERENCES

1. K.S. Harikrishnan, Women in Science Face Discrimination in India - Part 1, available at <http://ipsnews.net/news.asp?idnews=49307> accessed on 20th May, 2010.
 2. Indian Sex Discrimination, available at <http://www.highbeam.com/doc/1P2-860852.html> accessed on 20th May, 2010.
 3. Antony, M.J., Women's Rights, Clarion Books, 1989.
 4. Aranha, Celine, Beyond the Fire Line, Indian Social Institute, 1991.
 5. Arya, Anita, Gyan, Indian Women, Society and Law, Vol.3, 2000.
 6. Atray, J.P., Crimes against Women, Vikas Pub. House, 1988.
 7. Bagchi, Jasodhara, Indian Women: Myth and Reality, Sangam Books 1997.
 8. Tara Ali, Women of India/Baig., Govt. of India, 1990.
 9. Batra, Pramod, Simple Ways to Generate A Positive Attitude Toward Women at the Work Place, Think Inc, 1999.
 10. Chakrapani, C., Changing Status and Role of Women in Indian Society, M.D. Publications, 1994.
 11. Reddy, K.S., Constitutional & Legal Rights of Women in India: Rambhau MahalgiPrabodhani, 1995.
 12. Chafetz, S.S., Gender Equity, Sage Publication, 1990.
 13. Soma A. and Chatterji, Indian Women: From Darkness to Light, Purumita, 2000.
 14. Chatterji, Shoma A., Indian Women's Search for An Identity, Vikas Publications, 1997.
 15. Khan, Gulzan A. Ashish, Women's Studies in India: A Directory of Research Institutions, 1993.
 16. Killian, Ray A., Working woman: A male Manager's view, A.M.A., 1971.
-

2017-2018

S. No 6. P. Surekha

Gender Sensitization Through Education

V. Vijayalakshmi¹, P. Surekha², A. Srivani³

^{1,2,3}A. Government Degree college for women, Begumpet, Hyderabad.

Abstract

The absence of a democratic context has contributed to slow progress in empowering women. Women's empowerment movements have not survived in authoritarian regimes based on gender subordination and ideologies of male dominance. Approaches have necessarily focused on opportunities and services rather than on political power. Conceptualizations of gender discrimination and male domination have been oversimplified and focused on elimination of obvious oppressive practices such as wife beating or dowry demands. Empowerment of women that will have lasting impacts must involve consciousness raising before the social construction of gender, which subordinates women in the family, class, caste, religion, or society, can be changed. Some experimental approaches to empowerment like Integrated development, economic empowerment, and consciousness raising have been thought to empower women. Consciousness raising has been implemented in awareness groups and education that have led to a new consciousness, self worth, societal and gender analysis, and access to skills and information. The economic empowerment approach has relied on improving women's control over economic resources and strengthening women's economic security. Grameen Bank has provided one example of organizing women around savings and credit, income generation, and skill training activities. Integrated development approaches have encouraged women's collectives that have engaged in development and social problem resolution and formed specialized activity groups as means of mobilization of women. No one design has assured success. Identification of the poorest and most oppressed in a geopolitical area has provided an entry point for action. Women were encouraged to find a separate time and space for themselves. The three aforementioned approaches have different assumptions about the reason for women's powerlessness: greater poverty and lower access to resources, economic vulnerability, and subordination within patriarchal societies and socioeconomic inequalities.

INTRODUCTION

Gender encompasses socially constructed and culturally based roles of men and women with a view to understand how unequal power relations between them are shaped and operated. Gender and its accompanying power relations are built in all institutions of society be it family, educational institutions, work places, beliefs, norms, etc. Gender relations do not operate in a social vacuum but are the products of the ways in which institutions are organized and reconstituted. Gender sensitization is all about changing behavior and instilling empathy into the views that we hold about our own and other sex. It helps people in examining their personal attitudes and beliefs and questioning the 'realities' they thought they know. Gender sensitization acquaints men and women with each other's existence and to gain fruitful results in an organization as well as at home. Gender is determined socially; it is the societal meaning assigned to male and female. All institutions of society exhibit gender disparity as gender is rarely thought to be important and hardly understood and addressed. Gender roles are socially constructed according to their needs; when needs change these roles are also need to change. Gender sensitivity helps to generate respect for the individual regardless of

CONCLUSION

Empowering women socially, economically, educationally politically and legally is going to be a Herculean task. It is not going to be easy to change the culture of disregard for women which is so deep-rooted in Indian society. But it does not mean that it is implausible. Only revolutions bring changes in a day, but reforms take their time. This one in particular will take its time as well. The idea of women empowerment might sound hard by the yard, but by the inch, it is just a cinch. All we need is a concentrated effort focused in the right direction that would rest only with the liberation of women from all forms of evil. Even in the modern era gender issues like female feticides, incomplete schooling, discrimination in work etc. Women are discriminated in sending to schools and colleges especially after completion of middle school-level. This article gives that women does more work than men but, many of these hours are unpaid

REFERENCES

1. K.S. Harikrishnan, Women in Science Face Discrimination in India - Part 1, available at <http://ipsnews.net/news.asp?idnews=49307> accessed on 20th May, 2010.
2. Indian Sex Discrimination, available at <http://www.highbeam.com/doc/1P2-860852.html> accessed on 20th May, 2010.
3. Antony, M.J., Women's Rights, Clarion Books, 1989.
4. Aranha, Celine, Beyond the Fire Line, Indian Social Institute, 1991.
5. Arya, Anita, Gyan, Indian Women, Society and Law, Vol.3, 2000.
6. Atray, J.P., Crimes against Women, Vikas Pub. House, 1988.
7. Bagchi, Jasodhara, Indian Women: Myth and Reality, Sangam Books 1997.
8. Tara Ali, Women of India/Baig., Govt. of India, 1990.
9. Batra, Pramod, Simple Ways to Generate A Positive Attitude Toward Women at the Work Place, Think Inc, 1999.
10. Chakrapani, C., Changing Status and Role of Women in Indian Society, M.D. Publications, 1994.
11. Reddy, K.S., Constitutional & Legal Rights of Women in India: Rambhau Mahalgi Prabodhani, 1995.
12. Chafetz, S.S., Gender Equity, Sage Publication, 1990.
13. Soma A. and Chatterji, Indian Women: From Darkness to Light, Purumita, 2000.
14. Chatterji, Shoma A., Indian Women's Search for An Identity, Vikas Publications, 1997.
15. Khan, Gulzan A. Ashish, Women Studies in India: A Directory of Research Institutions, 1993.
16. Killian, Ray A., Working woman: A male Manager's view, A.M.A., 1971.

Annexure -4a



Prepared & Published by
Telangana State Board of Intermediate Education

Volume:
Intermediate
First Year
Environmental
Education

Plant Trees, Back to Nature, Save the Future



**PLANT A TREE
PLANT A LIFE**



Printed & Distributed by
TELOGU AKADEMI
Hyderabad, Hyderabad
Email: info@teluguakademi.org
Web: www.teluguakademi.org



9 788181 805249

Intermediate First Year

Environmental Education

Text Book for Intermediate First Year Environmental Education



Telangana State Board of Intermediate Education

Telugu Akademi, Hyderabad
Telangana



Text Book Development Committee

AUTHORS

Prof. V. Hima Bindu

Head, Centre for Environment
JNTU, Hyderabad

Dr. Syeda Azeemunissa

Asst. Professor
Dept. of Environmental Science
UCS, Osmania University
Hyderabad

Smt. T. Radhika

Project Officer
Telangana State National Green Corps
Hyderabad

Dr. M. Suneela

Scientist & ENVIS Co-ordinator
Environment Protection and Training Institute (EPTRI)
Hyderabad

Dr. T. Annie Sheron

Asst. Professor - Botany
Kakatiya Govt. Degree College
Hanamkonda, Warangal District

Dr. D. Prasad

Scientific Officer
Telangana State Pollution Control Board
Hyderabad

Sri Rajashekar Dasari

Jr Lecturer (Botany)
GJC(B), Miryalaguda, Nalgonda

EDITORS

Prof. Ch. Sasikala

Centre for Environment
JNTU, Hyderabad

Dr. Annie Pothen

Professor (Retd.)
Osmania University
Hyderabad

Prof. Nirmala Babu Rao

Head, Dept. of Botany
Osmania University, Hyderabad

Smt. Vasanta Pingali

JL in English (Retd), M.A.M. GJC (Girls)
Nampally, Hyderabad

S.No 8 Dr. A. Madhuri

A TEXT BOOK OF
**APPLIED
MICROBIOLOGY**

Dr.Chand Pasha
Dr. A. Madhuri, I. Marian Rajini



KNRN

**A Text Book of
APPLIED
MICROBIOLOGY**

(For B.Sc. IIIrd Year, Paper-V)

*SPECIMEN COPY
NOT FOR SALE*

Editor :

Dr. Chand Pasha
Assistant Professor & Head
Department of Microbiology
Nizam College, Osmania University,
Hyderabad

Authors :

Dr. Chand Pasha
Assistant Professor & Head
Department of Microbiology
Nizam College, Osmania University,
Hyderabad

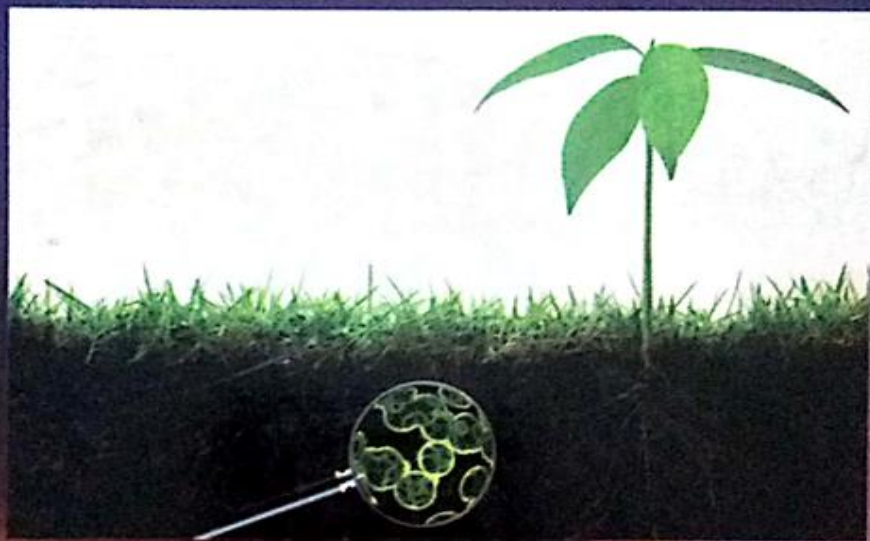
Dr. A. Madhuri
Assistant Professor & Head
Govt. Degree College (W)
Hussainialam, Hyderabad

Ingelela Marian Rajini
Assistant Professor
Govt. Degree College (W)
Hussainialam, Hyderabad

*SPECIMEN COPY
NOT FOR SALE*

KEDAR NATH RAM NATH
MEERUT

A TEXT BOOK OF
**APPLIED
MICROBIOLOGY**



KEDAR NATH RAM NATH

132, R.G. College Road, Meerut - 250001 (U.P.) INDIA
web : www.knrnpublishations.com

ISBN 93-87007-36-3



9 789387 007363

S.No 9. Dr K Kamala



Kandi Kamala

Demand for Smaller States in India: A study of Telangana

 **LAMBERT**
Academic Publishing

Kandi Kamala

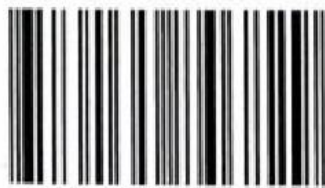
**Demand for Smaller States in India: A
study of Telangana**

LAP LAMBERT Academic Publishing

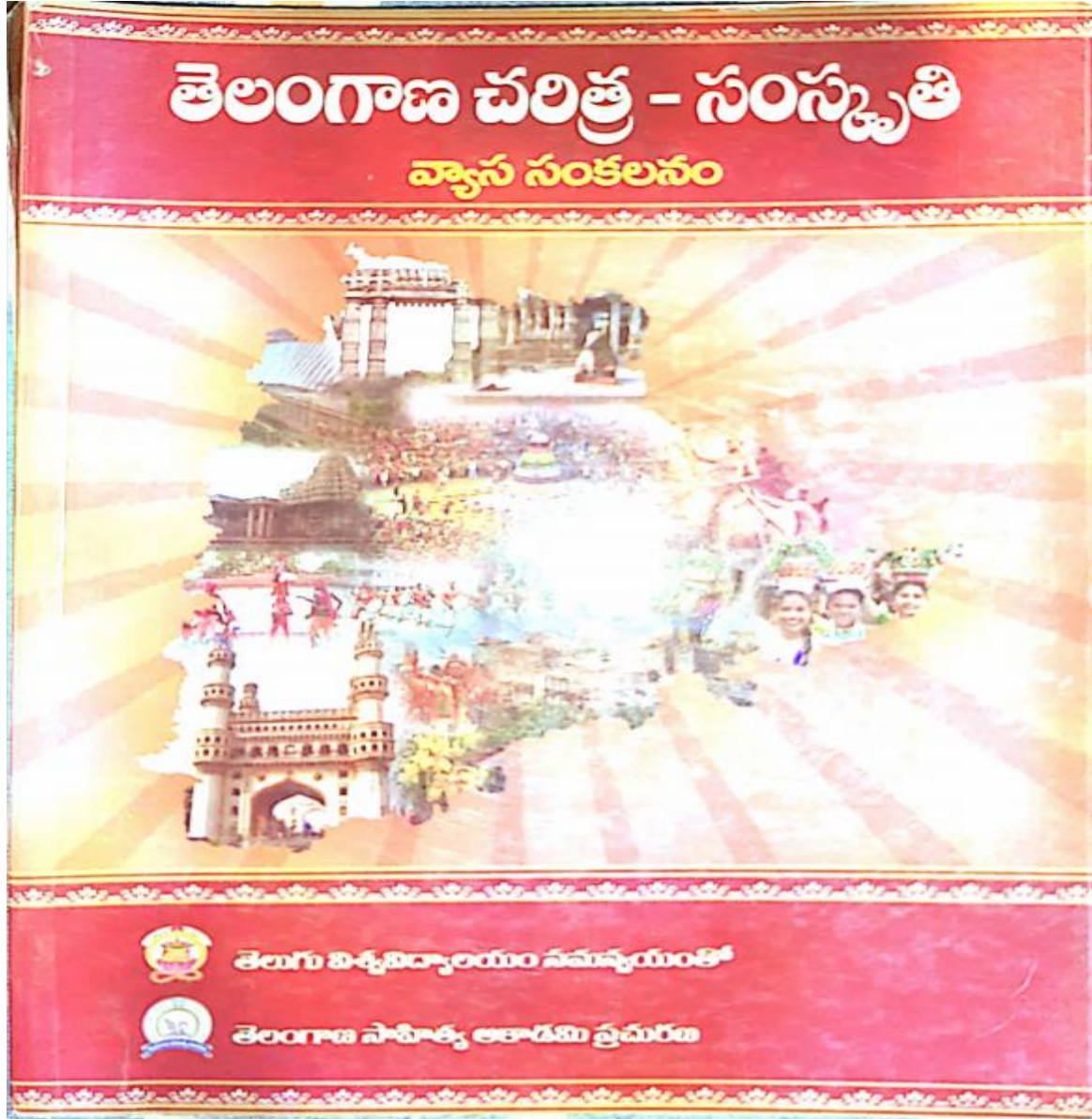
Smaller States may lead to greater accountability and greater opportunities in delivering public services. Demand for statehood to different regions in different states was raised by disparate groups. Population growth and the multiplicity of development functions have rendered governance in large-size States inefficient. In the context of development planning under democracy, regional disparities with respect to the historically inherited levels of infrastructure and institutions within certain large States have given rise to severe tensions concerning the distribution of benefits had made certain regions underdeveloped. Demand for a separate state was being made was more backward than the rest of the state and the rulers of the state failed to provide proper attention to the development of the region. As a result, the region needed a separate state. Finally, India's 29th State, Telangana was come into force.



Dr.K.Kamala, Asst.Professor in Dept of Political Science, Govt Degree College, Shadnagar. She is member of Board of Studies, Osmania University, worked as project fellow in Dept of Political Science (CAS). She has edited two books and presented papers in National, International seminars and she has Publications in National,International Journals.



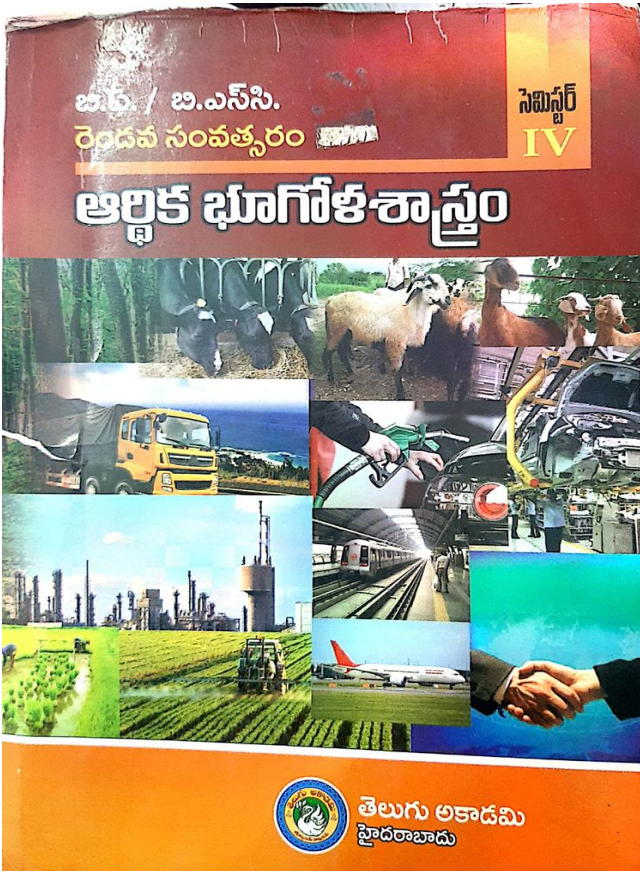
978-613-5-84682-9



ISBN : 978-81-928800-5-1
ప్రథమ ముద్రణ : మార్చి, 2018
ప్రచురణ : పొట్టి శ్రీరాములు తెలుగు విశ్వవిద్యాలయం
తెలంగాణ సాహిత్య అకాడమీ, హైదరాబాద్, 2018
డి.టి.పి. : నవతెలంగాణ పబ్లిషింగ్ హౌజ్, హైదరాబాద్.
ముద్రణ : నవచేతన ప్రింటింగ్ ప్రెస్, హైదరాబాద్.
వెల : 200/-

తెలంగాణ చరిత్ర		149
19. తెలంగాణ చైతన్యంలో భగవంతుని పాత్ర	: పరిశోధనా కమిటీ	149
20. తెలంగాణలో సంస్కృత సంగీత మధురీమలు	: సామల రాజవర్మన్	156
21. తెలంగాణ సినిమా సమగ్ర చరిత్ర	: హెచ్. రమేష్ బాబు	161
22. తెలంగాణ - పత్రికా చరిత్ర	: దాక్షర్ గుమ్మన్నగారి చాలత్రీనివాసమూర్తి	178
23. తెలంగాణ - ఎలక్ట్రానిక్ మీడియా	: సంజీవ్ కోవెల	185
24. తెలంగాణలో జనపద విజ్ఞానం - పరిశోధనలు	: ఆచార్య కసిరెడ్డి	190
25. తెలంగాణ విద్యా వ్యవస్థ	: దాక్షర్ దహగాం సాంబమూర్తి	196
26. తెలంగాణ సిగల్ తెలుగు రచనలు	: ఆచార్య ఆర్. లింబాద్రి	208
27. తెలంగాణ సంస్కృతిలో ముఖ్య జాతరలు	: దాక్షర్ గద్దం వెంకన్న	211
జాతరలు		215
28. మాచేండ్ల సాంసల్ తెలంగాణ - ఆర్థిక వికాసం	: దాక్షర్ అశ్వినీపల్లి పున్నయ్య	216
చరిత్రకావ్యాలు		223
29. తెలంగాణ భాగోళిత అంశాలు	: దాక్షర్ ఆర్. సుధాకర్ గౌడ్	224
30. తెలంగాణ వన సంపద	: దాక్షర్ గోపాని ఆనంద్	229
31. తెలంగాణ సహజ వనరులు	: విఘ్నేశ్వర్	233
32. హైదరాబాద్ రాజ్యంలో సాగునీటి రంగ అభివృద్ధి	: శ్రీధర్ రావు దేవపాండే	238
33. మాచే భాగ్యనగరం మన హైదరాబాద్	: లక్ష్మణ్ రావు పతంగి	244
34. తెలంగాణ పర్యాటక రంగం	: దాక్షర్ సిహెచ్. అంజనేయులు	257
35. సింగరేడి నల్ల బంగారం	: దాక్షర్ జి. వెంకటేశం	262
36. తెలంగాణ సంస్థానాలలో మహిళల పాత్ర	: దాక్షర్ నమిలకొండ సునీత	270
37. మంది మాణిక్యం - మా తెలంగాణము	: దాక్షర్ పల్లెరు వీరస్వామి	276
పద్య కవిత్వం		279
38. బంగారు తెలంగాణ తెలుగు ప్రపంచ మహానభలకు పంచరత్నాలు	: దాక్షర్ పద్మా మురళీధర్	280
39. రుద్ర పీఠయోగం తెలుగు భద్రతకును...!	: వల్లాల అచ్చయ్య పరంధామ్	281
ENGLISH		293
40. IRRIGATION TECHNOLOGY OF THE KAKATIYAS	: Dr. T. Dayakar Rao	284
41. INFRASTRUCTURE DEVELOPMENT IN TELANGANA	: Dr. P. Padmanabha Rao	291
42. URBANIZATION IN TELANGANA	: Prof. Nagesh	302

S.No. 11 Dr. Vigneshwar Mekha




బి.ఎ. & బి.ఎస్.సి.
ద్వితీయ సంవత్సరం
సెమిస్టర్ - IV
ఆర్థిక భూగోళశాస్త్రం

రచయితలు

డా ఎన్. రామకృష్ణ, (ఓ.బి.టి) భూగోళశాస్త్ర విభాగం ఉస్మానియా విశ్వవిద్యాలయం హైదరాబాదు	డా పి. పద్మనాభరావు, (ఓ.బి.టి) ఆస్ట్రోనామికల్ ప్రొఫెసర్ భూగోళశాస్త్ర విభాగం, సెన్ హైదరాబాదు
డా ఎల్. అశోక్ కుమార్ ఆస్ట్రోనామికల్ ప్రొఫెసర్, భూగోళశాస్త్ర విభాగం ఉస్మానియా విశ్వవిద్యాలయం హైదరాబాదు	డా ఆర్. సుధాకర్ గౌడ్ ఆస్ట్రోనామికల్ ప్రొఫెసర్, జియోఎస్ట్రోనామికల్ విభాగం తెలంగాణ విశ్వవిద్యాలయం నిజామాబాద్
డా టి. ప్రతిజ్ఞ ఆస్ట్రోనామికల్ ప్రొఫెసర్, జియోఎస్ట్రోనామికల్ విభాగం తెలంగాణ విశ్వవిద్యాలయం నిజామాబాద్	శ్రీ. యం. విష్ణుశర్ లెక్చరర్, భూగోళశాస్త్ర విభాగం నాగార్జున ప్రభుత్వ కళాశాల (అటానమస్), నల్లగొండ

సంపాదకులు

డా|| కమలాకర్ రెడ్డి, (ఓ.బి.టి)
భూగోళశాస్త్ర విభాగం
ఉస్మానియా విశ్వవిద్యాలయం
హైదరాబాదు


తెలుగు అకాడమి
హైదరాబాదు

B.A. (Second Year) : Aarthika Bhoogola Sasstram (Editorial Supervisory);
Authors : Prof. S. Rama Krishna, Prof. P. Padmanabha Rao, Dr. L. Ashok
Kumar, Dr. R. Sudhakar Goud, Dr. T. Pratigna Sri M. Vigneshwara; Editor:
Prof. A. Kamalakar Reddy; First Edition : 2018, Pp. VIII+352+IV

© TELUGU AKADEMI
Hyderabad

First Edition : 2018
Copies : 3000

Published by TELUGU AKADEMI, Hyderabad- 500 029 under the
Centrally Sponsored Scheme of Production of Books and Literature in
Regional Languages at the University level of the Government of
India in the Ministry of Human Resource Development, New Delhi.

*All rights whatsoever in this book are strictly
reserved and no portion of it may be reproduced
by any process for any purpose without the
written permission of the copyright owners.*

Price : Rs. 135=00

సమస్య
IV

జి.ఎస్. / జి.ఎస్.సి. రెండవ సంవత్సరం

ఆర్థిక భూగోళ శాస్త్రం



మొదట ప్రచురణ, పరిషత్
తెలుగు అకాడమి
హైదరాబాద్, ఇండియా
email : info@teluguacademy.net
web : www.teluguacademy.net

ISBN 818180539-9



9 788181 805393



S.No 12 Dr. Ch. Kanchana Latha

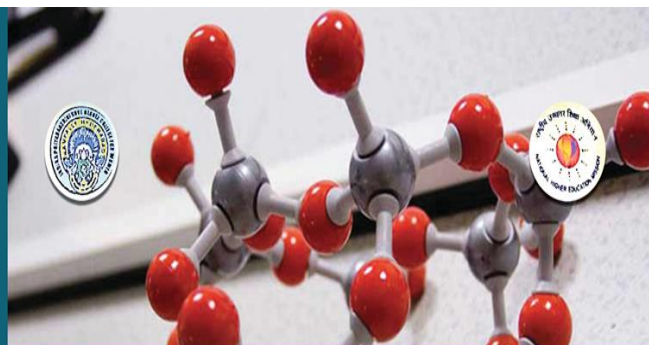
Proceedings of the
One day National Seminar
on
**Innovations and Developments in
Macro, Micro and Nano Material Sciences**




PARAMOUNT
PUBLISHING HOUSE



Proceedings of the One day National Seminar on Innovations and Developments in Macro, Micro and Nano Material Sciences



Proceedings of the
One day National Seminar
on

**Innovations and Developments in
Macro, Micro and Nano Material Sciences**

14th November 2018

Sponsored by
RUSA

Editors

**Dr. Y. Aparna, Dr. D. Ravinder, Dr. M. Ramchander,
Dr. Ch. Kanchana Latha, Smt. J. Sridevi**

Organized by
Faculty of Sciences

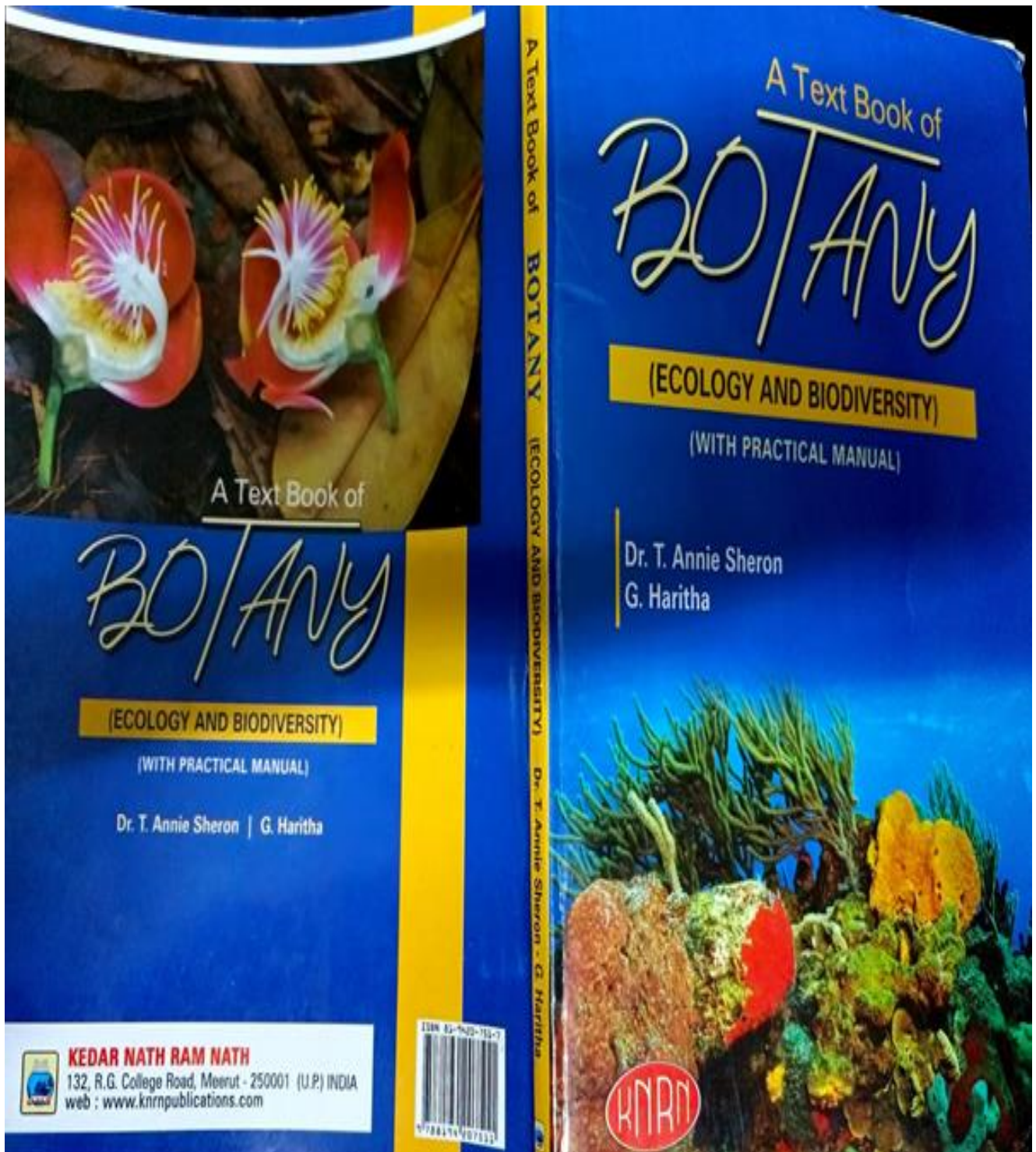
**Indira Priyadarshini Government
Degree college for Women**

(Re-Accredited with B Grade by NAAC)
Nampally, Hyderabad - 500 001

Email: conveneridmms2018@gmail.com, Mobile : +91 8686608066, 7331128164

2018-2019

S. No 13 Dr. T. Annie Sheron



A Text Book of

BOTANY

B.Sc. III Year, Semester-V (DSE), Paper-VI

ECOLOGY AND BIODIVERSITY

(With Practical Manual)

*SPECIMEN COPY
NOT FOR SALE*

Authors :

Dr. T. Annie Sheron

M.Sc., B.Ed., Ph.D.
Assistant Professor,
Department of Botany,
Kakatiya Government College,
Hanumakonda, Warangal (U)
Kakatiya University

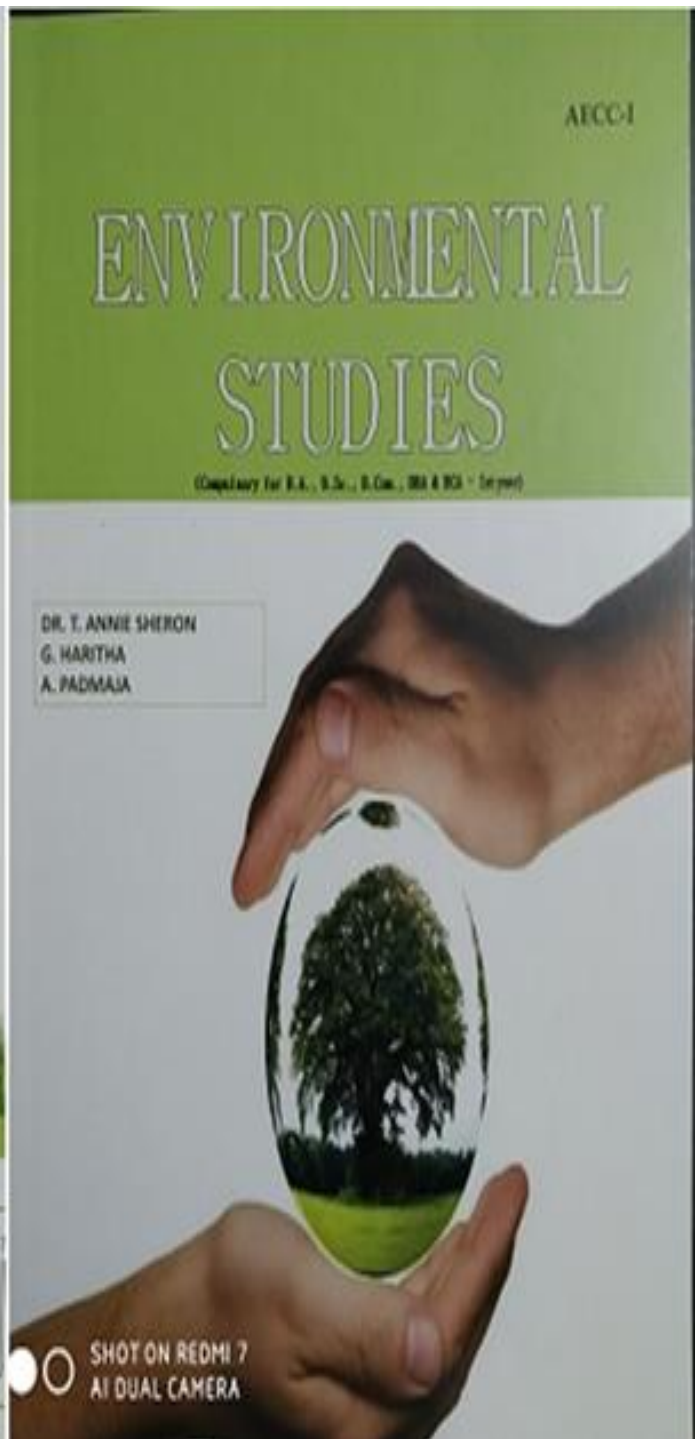
G. Haritha

M.Sc., B.Ed., SET
Assistant Professor,
Department of Botany,
A. V. College, Domalguda,
Hyderabad,
Osmania University

KEDAR NATH RAM NATH

CHIPPI TANK, MEERUT

S. No 14. Dr. T. Annie Sheron



ENVIRONMENTAL STUDIES

*(Compulsary for All 1st year students of B.A., B.Sc., B.Com, BBA, BCA etc.)
(AECC-1))*

By

Dr. T. Annie Sheron

M.Sc., B.Ed., Ph.D.

Assistant Professor,

Department of Botany,

Kakatiya Government Degree College,

Hanumakonda, Warangal

Ms. G. Haritha

M.Sc., B.Ed., SET

Lecturer,

Department of Botany,

T.T.W.R.D.C (M),

Sangareddy

Ms. A. Padmaja

M.Sc., B.Ed.,

Head, Department of Microbiology,

Keshav Memorial Institute of

Commerce & Science, Narayanguda

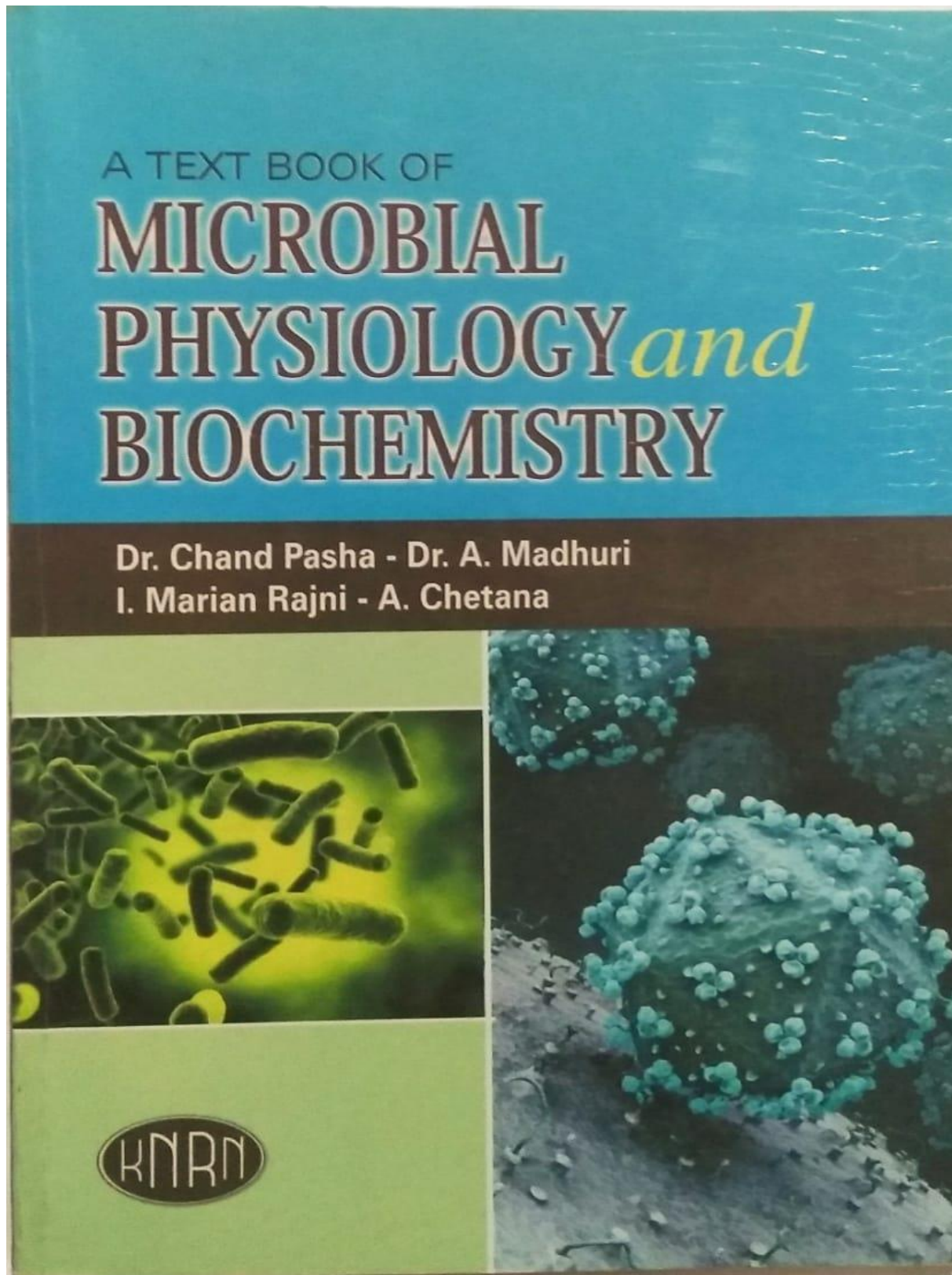
Hyderabad

**ISHIKA BOOK DISTRIBUTORS,
AGRA**



SHOT ON REDMI 7
AI DUAL CAMERA

S.No 15 Dr. A. Madhuri



BASED ON NEWLY REVISED CHOICE BASED CREDIT SYSTEM OF COMMON CORE
SYLLABUS OF **TELANGANA STATE COUNCIL OF HIGHER EDUCATION**

A Text Book of
**MICROBIAL PHYSIOLOGY
& BIOCHEMISTRY**

(WITH PRACTICALS)

B.Sc. I Year—Semester-II (Paper-II)

Editor

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology,
Nizam College, Osmania University,
Hyderabad

*SPECIMEN COPY
NOT FOR SALE*

Authors :

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology,
Nizam College, Osmania University,
Hyderabad

Ms. I. Marian Rajini

Assistant Professor
Govt. Degree & PG College (W)
Hussainialam, Hyderabad

Dr. A. Madhuri

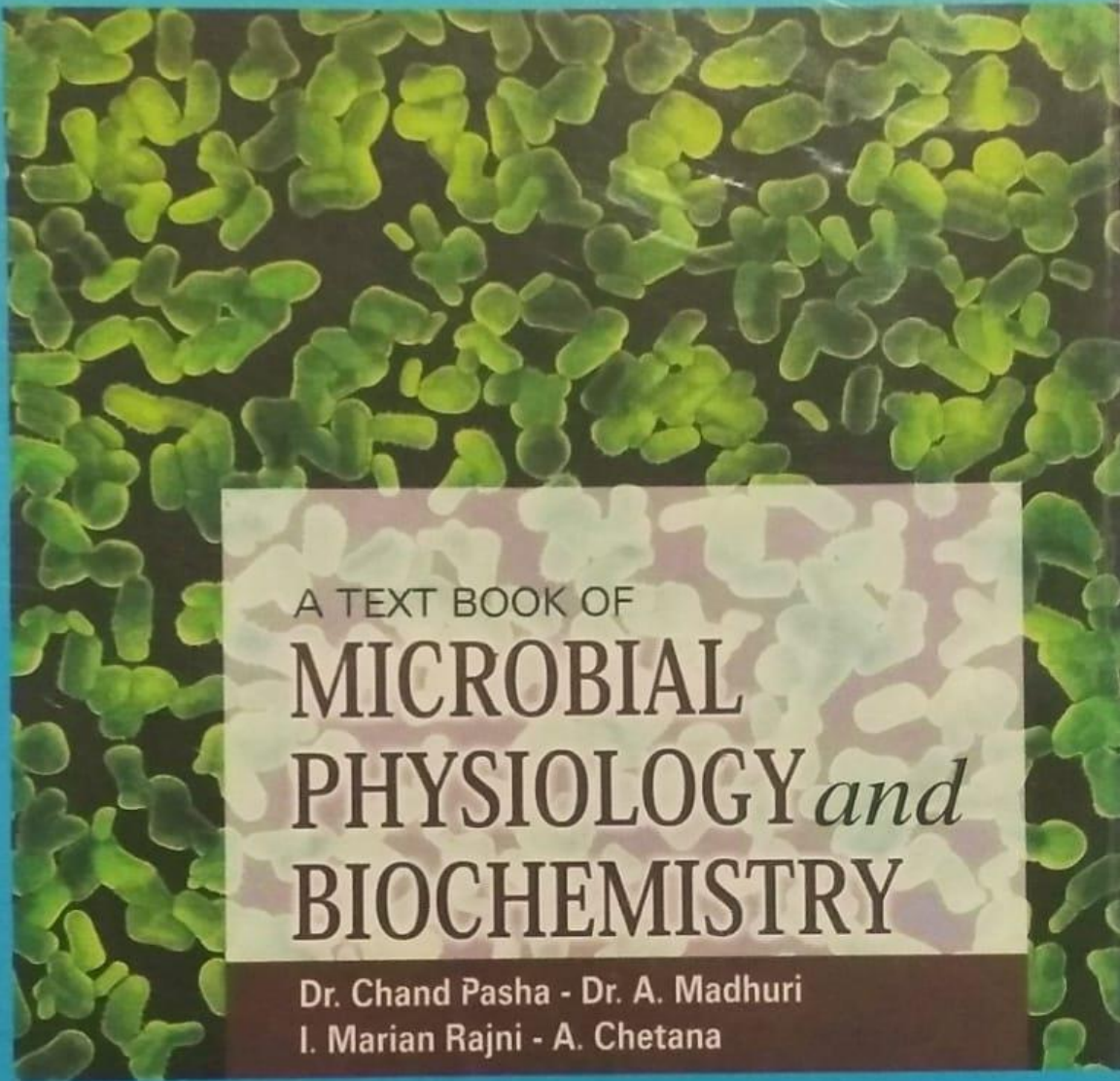
Assistant Professor & Head
Govt. Degree & PG College (W)
Hussainialam,
Hyderabad

A. Chetana

Degree Lecturer
Department of Microbiology
Telangana Social Welfare Residential
Degree College, Jagadgirigutta,
Hyderabad

KEDAR NATH RAM NATH

CHIPPI TANK, MEERUT



A TEXT BOOK OF
**MICROBIAL
PHYSIOLOGY *and*
BIOCHEMISTRY**

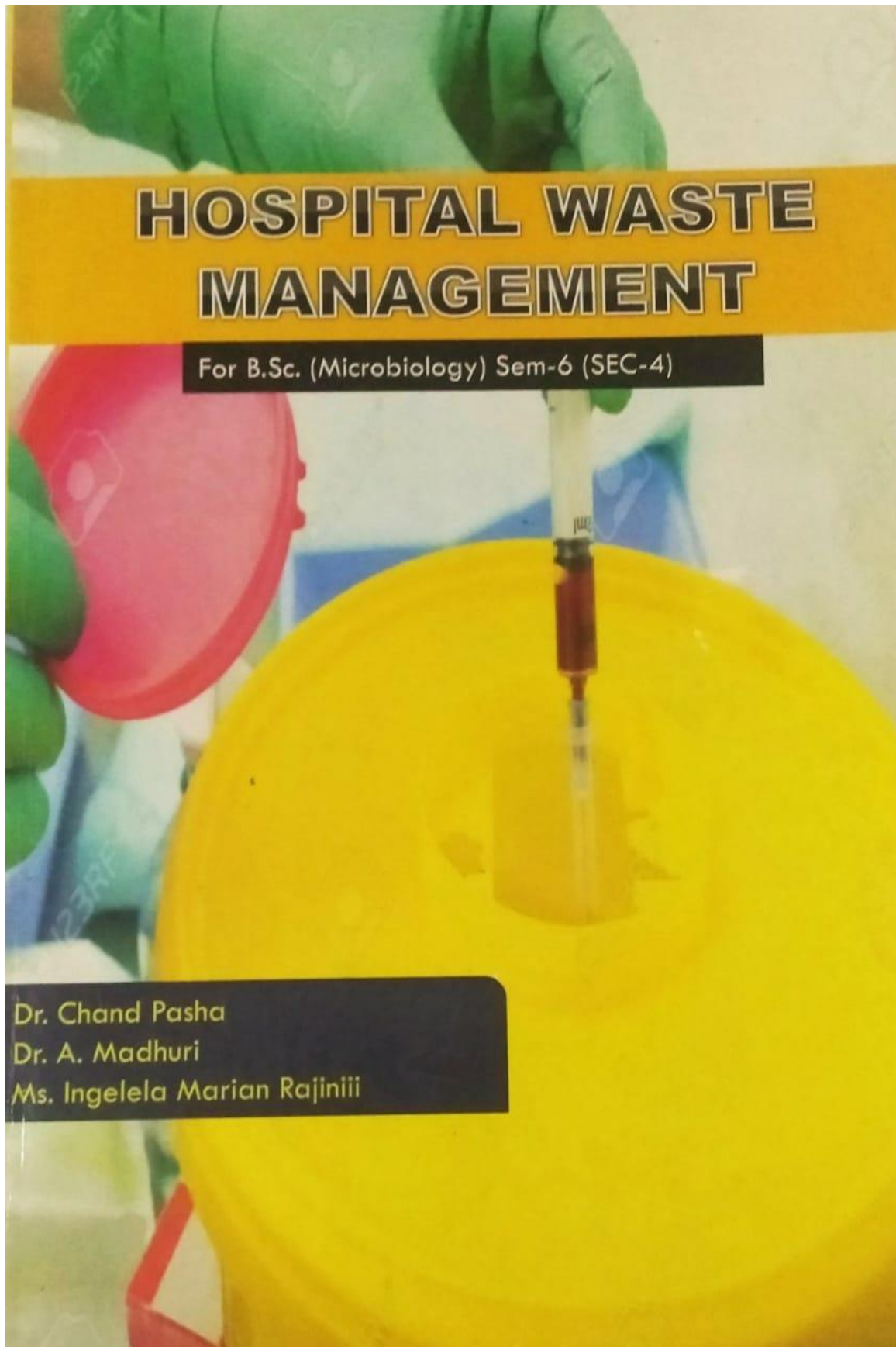
Dr. Chand Pasha - Dr. A. Madhuri
I. Marian Rajni - A. Chetana



KEDAR NATH RAM NATH
132, R.G. College Road, Meerut - 250001 (U.P.) INDIA
web : www.knrnpublications.com



S.No 16 Dr. A. Madhuri



HOSPITAL WASTE MANAGEMENT

FOR-B.SC.(MICROBIOLOGY) III YR, SEM-6,
(SEC-4)

*Specimen Book
for Dr. A. Madhuri*

AUTHORS:

Dr. Chand Pasha

Assistant Professor & Head,
Department of Microbiology,
Nizam College, Osmania University,
Hyderabad

Dr. A. Madhuri

Assistant Professor & Head,
Department of Microbiology,
Govt. Degree for Women (A),
Begumpet, Hyderabad

Ms. Ingelela Marian Rajini

Assistant Professor & Head,
Department of Microbiology,
Govt. Degree & PG College
Hussainialam, Hyderabad

New Edition

**DIVYA LAKSHMI PUBLISHERS AND
DISTRIBUTORS**
LOHIA NAGAR-MEERUT



Hospital Waste Management



**DIVYA LAKSHMI PUBLISHERS
AND DISTRIBUTORS**

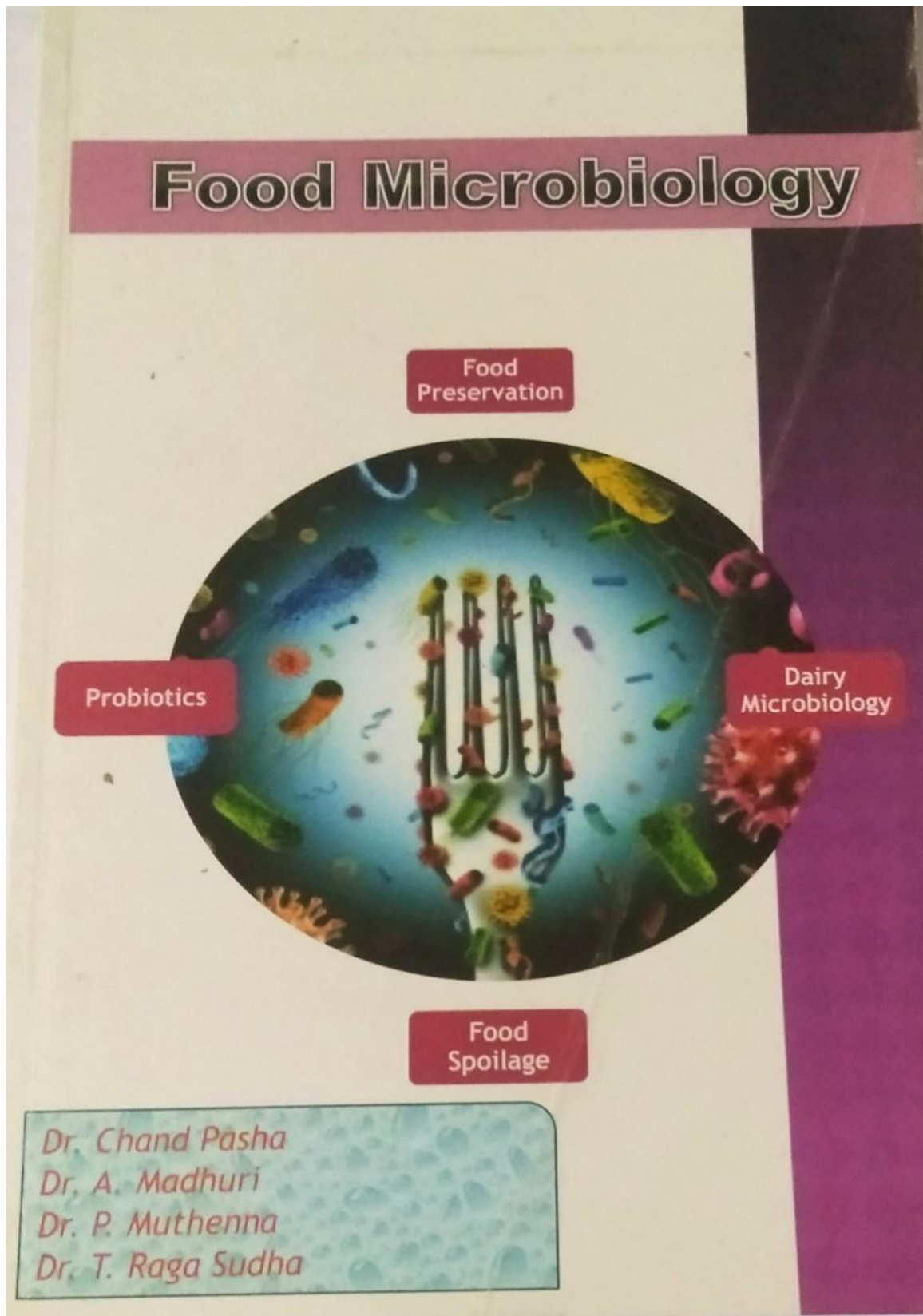
Lohia Nagar, Meerut-25001 (UP)

ISBN- 978-81-944873-0-2



9 788194 487302

S.No 17 Dr. A. Madhuri



FOOD MICROBIOLOGY

FOR - B.SC. (MICROBIOLOGY) - SEM-6, PAPER-VIII (DSE)

EDITOR:

Dr. Chand Pasha
Assistant Professor & Head,
Department of Microbiology,
Nizam College, Osmania University,
Hyderabad

AUTHORS:

Dr. Chand Pasha
Assistant Professor & Head,
Department of Microbiology,
Nizam College, Osmania University,
Hyderabad

Dr. A. Madhuri
Assistant Professor & Head,
Department of Microbiology,
Government Degree College for
Women (A), Begumpet,
Hyderabad

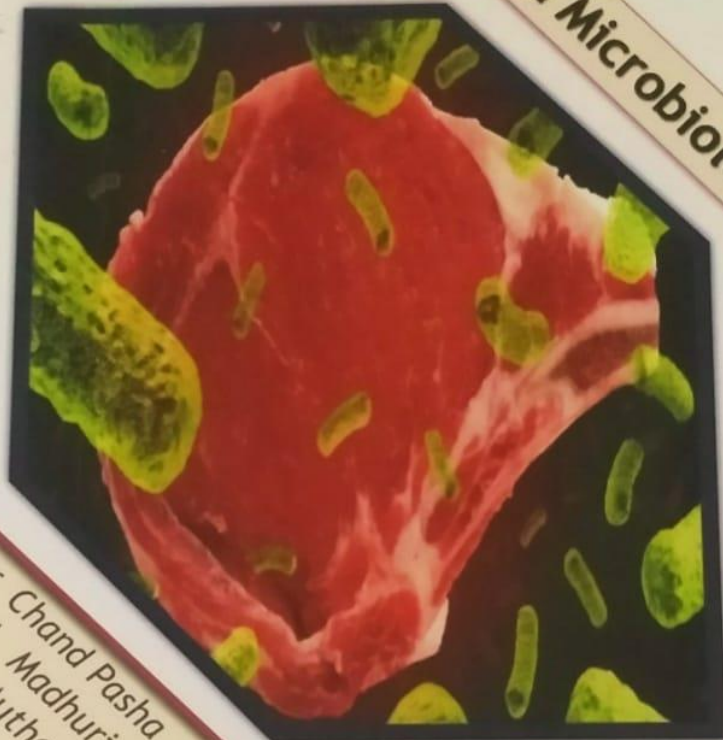
Dr. P. Muthenna
Assistant Professor & Head,
Department of Microbiology,
Government Degree for Women (A),
Begumpet, Hyderabad

Dr. T. Raga Sudha
Assistant Professor & Head,
Department of Microbiology,
Government City College (A),
Nayapul-Hyderabad

New Edition

**DIVYA LAKSHMI PUBLISHERS AND
DISTRIBUTORS**
LOHIA NAGAR-MEERUT

Food Microbiology



Dr. Chand Pasha
Dr. A. Madhuri
Dr. P. Muthenna
Dr. T. Raga Sudha

**DIVYA LAKSHMI PUBLISHERS
AND DISTRIBUTORS**

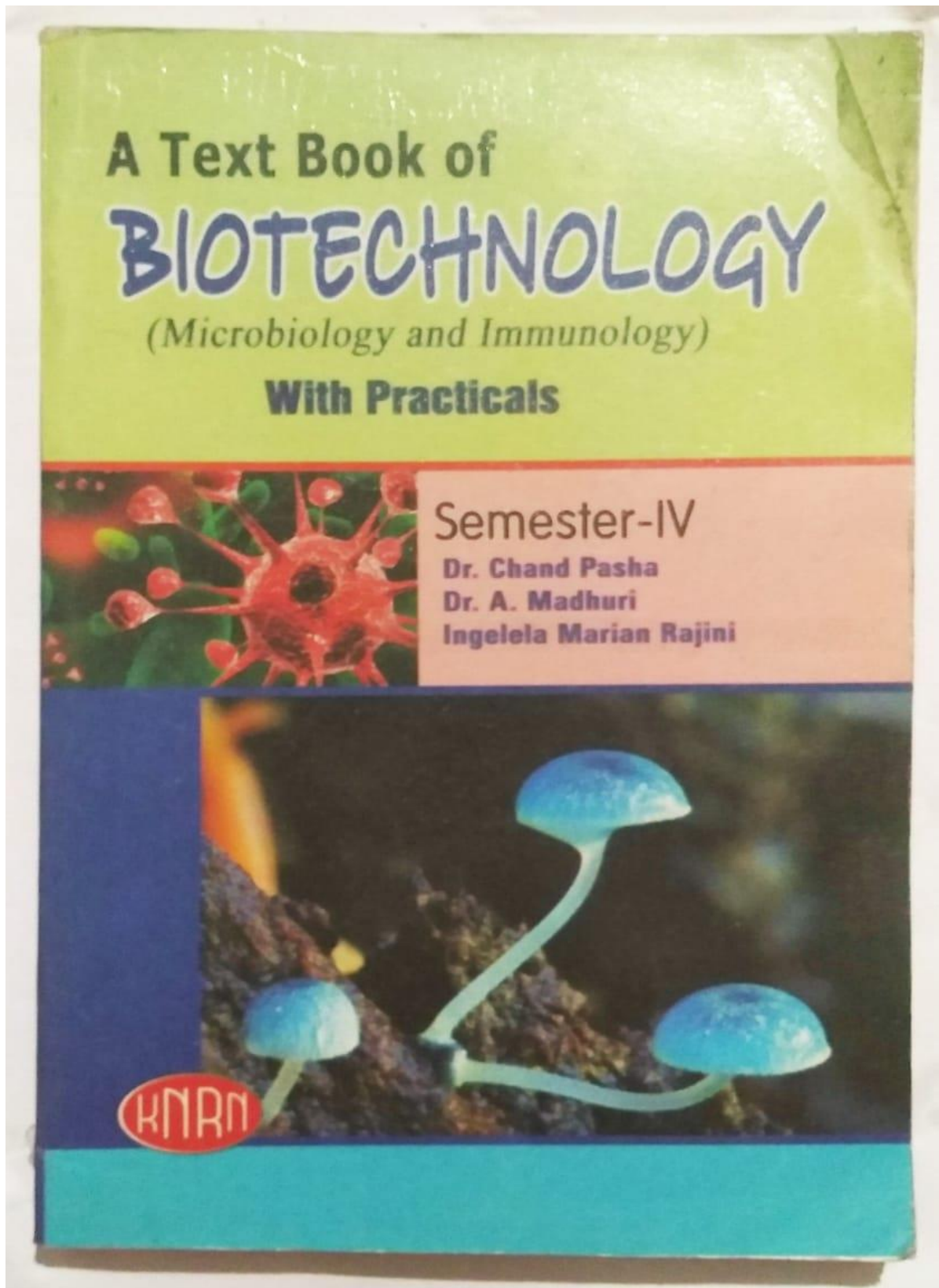
Lohia Nagar, Meerut-25001 (UP)

ISBN - 978-81-944873-2-6



9 788194 487326

S.No 18 Dr. A. Madhuri



BASED ON NEWLY REVISED CHOICE BASED CREDIT SYSTEM OF COMMON
CORE SYLLABUS OF **TELANGANA STATE COUNCIL OF HIGHER EDUCATION**

A Text Book of
BIOTECHNOLOGY

(Microbiology and Immunology)

▶▶ **(WITH PRACTICALS)** ◀◀

B.Sc. II Year—Semester-IV (Paper-IV)

Editor

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology,
Coordinator : Department of Biotechnology
Nizam College, Osmania University, Hyderabad

**SPECIMEN COPY
NOT FOR SALE**

Authors :

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology,
Coordinator : Department of Biotechnology
Nizam College, Osmania University,
Hyderabad

Dr. A. Madhuri

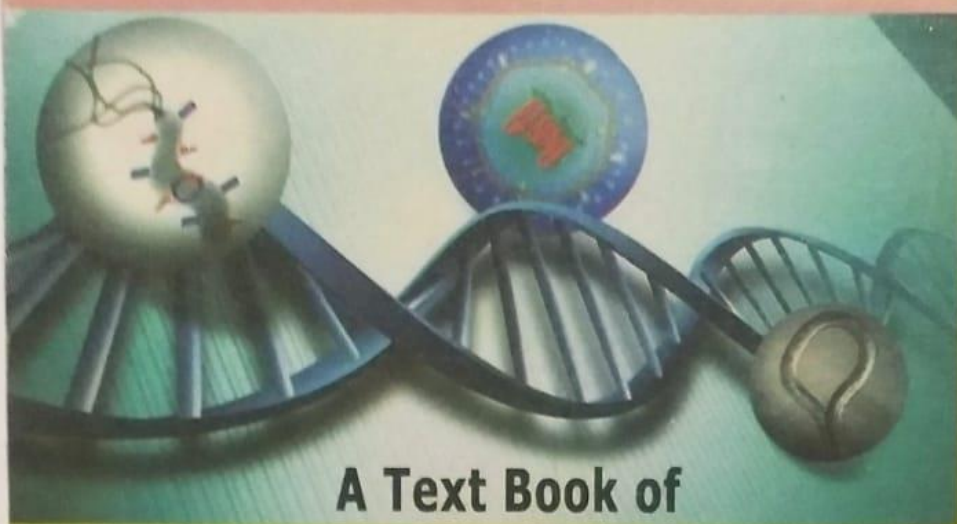
Assistant Professor & Head
Department of Microbiology,
Govt. Degree College (W)
Hussainialam, Hyderabad

Ingelela Marian Rajini

Lecturer
Govt. Degree College (W)
Hussainialam, Hyderabad

KEDAR NATH RAM NATH

CHIPPI TANK, MEERUT



A Text Book of

BIOTECHNOLOGY

(Microbiology and Immunology)



KEDAR NATH RAM NATH

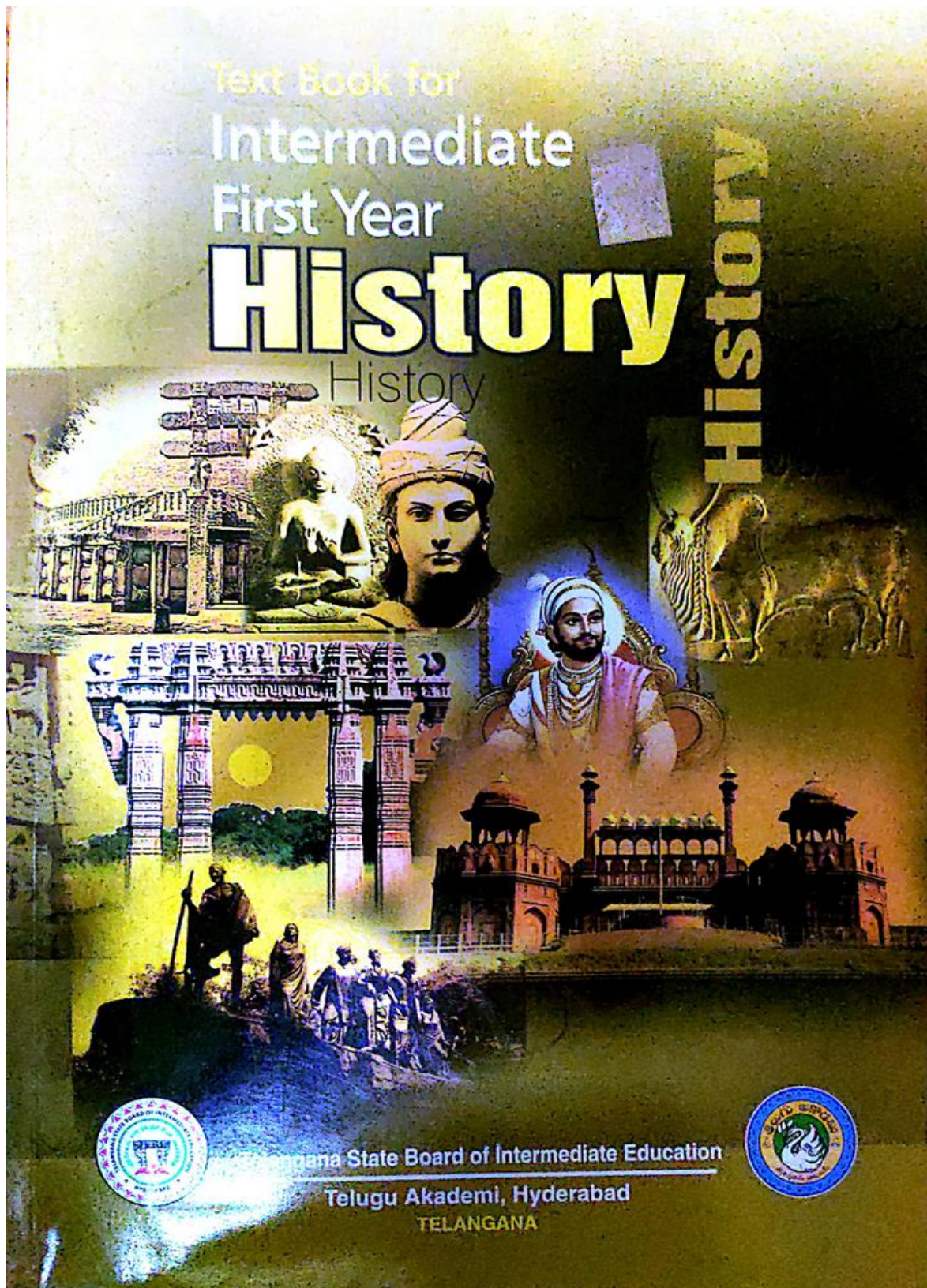
132, R.G. College Road, Meerut - 250001 (U.P.) INDIA
web : www.knrpublications.com

ISBN 93-87007-14-6



9 789387 007147

S.No 19 Dr. I. Sandya Jyosna



Text Book for
Intermediate
First Year
HISTORY

Authors

Dr. Hema Subrahmanian
Assistant Professor (Retd.)
Department of History
RBVRR Women's College, Hyderabad

Dr. C.V. Pavan Kumar
Assistant Professor, Dept. of History
Govt. Degree College
Kukatpally, Medchal Dist.

Dr. P. Ravinder
Assistant Professor, Dept. of History
Govt. Degree College
Malkajgiri, Medchal Dist.

Smt. I. Sandhya Jyosthna
Assistant Professor, Dept. of History
Govt. Degree College
Begumpet, Hyderabad

Sri P. Anand Kumar
Jr. Lecturer in History, Govt. Junior College
Ramachandrapuram
Sangareddy Dist.

Smt. S. Sripriya Ravi
Jr. Lecturer in History
St. Francis Junior College for Women
Secunderabad

Editor

Dr. Adapa Satyanarayana
Professor (Retd.)
Dept. of History, Osmania University
Hyderabad.



Telangana State Board of Intermediate Education
Telugu Akademi, Hyderabad



Telangana

Appeal

Telugu Akademi gets its publications prepared by senior professors and experts in the concerned subjects drawn from different Universities and colleges. The manuscripts prepared by them are thoroughly scrutinized by the panel experts and the editorial board before it goes for print. Therefore, the publications of the Akademi are of high standard.

Now the Telugu Akademi is publishing Inter books in CBSE pattern as per the syllabus prescribed by Telangana State Board of Intermediate Education, Hyderabad.

Of late, the publications of the Akademi are being pirated and marketed for easy money replacing cover pages and copying the entire text in the name of fake authors. Students will lose the advantage of access to the revised information if they buy such publications. It is in the interest of the students that the Akademi appeals not to purchase pirated editions as Akademi publications are revised from time to time with latest information.

The students and teachers are therefore requested to check the hologram of the Akademi, the names of the authors and editors before purchasing the text books.

Director
Telugu Akademi

Text Book for
Intermediate
First Year
History







Printed, Published & Distributed by
TELUGU AKADEMI
Himayatnagar, Hyderabad
email : info@teluguacademy.net
web : www.teluguacademy.net

ISBN 818180587-9




9 788181 805874

S.No 20 Dr. K. Kamala



National Seminar
On
Higher Education in India: Emerging Challenges
30th & 31st January 2019
Sponsored by ICSSR New Delhi, RUSA & TSCHE
Souvenir
Convener
Dr. K. Kamala



Organised by
Department of Political Science
New Government Degree College, Serilingampally, BHEL, Hyderabad
Venue:
Community Center BHEL Township,
RC Puram, Hyderabad, Telangana State 502055

a

National Seminar

**On
Higher Education in India: Emerging Challenges**

30th&31st January 2019

Sponsored by ICSSR New Delhi, RUSA & TSCHE

Patron

Dr.K.Aruna Bai, Principal (FAC) New Government Degree College, Serilinampally,
BHEL

Convener

Dr.K.Kamala, Asst Professor, New Government Degree College, Serilinampally, BHEL

Co-Convener

Mr. P. Murali Krishna, Asst Professor, New Government Degree College, Serilinampally, BHEL

Advisory Committee

Dr. D.Vasundhara, Research Officer, RUSA, TSCHE (Retd. Principal)

Dr. M. Sujatha (Principal, GDC, Shadnagar)

Dr. Abdul Ansar (Principal, GDC, MALD)

Dr.V.Rajendra Prasad, (Principal, GDC, Patancheru)

Logistics Committee

Dr.N. Gopal, Asst Professor, New Government Degree College, Serilinampally, BHEL

Seminar Organizing Committee

Ms.C.Jyothi, Asst Professor, New Government Degree College, Serilinampally, BHEL

Ms.Farhath Nazneen, Asst Professor, New Government Degree College, Serilinampally BHEL

Ms.B.Sureka, Asst Professor New Government Degree College, Serilinampally, BHEL

All the Non-Teaching and Guest Faculty, New Government Degree College,
Serilinampally, BHEL



CALL FOR FULL PAPERS

Papers are invited from the academics, researchers, students and others who are interested in the field of Higher Education. Participants are invited to submit their full papers should be in MS Word, with a limit of 2000 to 3000 words. Soft copy of the full papers to be submitted in A4 size page, font size 12, headings 14, Times New Roman and references should be given in APA Style. Name of the Author and Co-author (if any), Title of the paper, Name of Institute, Email, Telephone and Postal address must be mentioned.

Publication of Research Papers in an Edited Book (ISBN Number)

Research papers will be subject to the approval of the Review Committee and will be published in an Edited Book with ISBN Number.

IMPORTANT DATES

Late Date for Submission of Full paper Soft Copy -
10th February, 2019

The full paper can be Emailed to gdcbhel2019@gmail.com

<http://gdcts.cgg.gov.in/serilingampally.edu>

2019-2020

S.No 21 Dr. K. Vijay Kumar

B.A.
First year

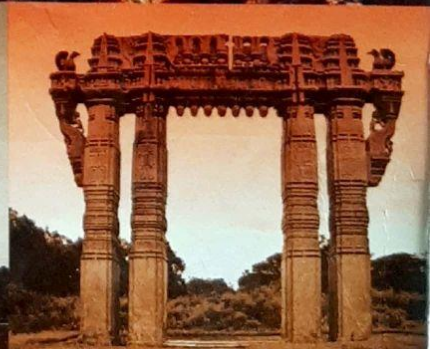
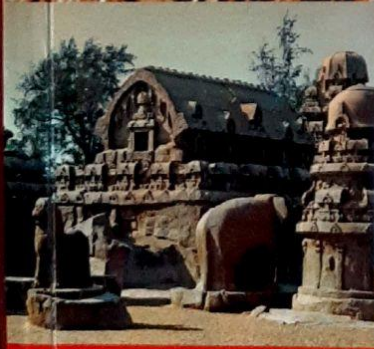


Sem
I & II

Indian History - Culture

From Pre-historic Age to 1526 C.E.

(As per CBCS Syllabus)



**Telugu Akademi
Hyderabad**

B.A.
First Year
INDIAN HISTORY - CULTURE

(From Pre-Historic times to 1526 C.E.)
(as per C.B.C.S Syllabus)

AUTHORS

Dr. G. Anjaiah

Assistant Professor, Department of History
University College of Arts and Social Sciences
Osmania University, Hyderabad

Dr. Aravind Kumar

Associate Professor
Department of History, Archaeology & Culture
Dravidian University, Kuppam

Dr. P. Aruna

Assistant Professor, Department of History
Nizam College, Osmania University
Hyderabad

Sri K. Vijay Kumar

Assistant Professor, Department of History
Govt Degree College, Kukatpally
Hyderabad

EDITOR

Prof. Gillella Sudarshan Reddy

Head, Department of History
Osmania University
Hyderabad



Telugu Akademi
Hyderabad

CONTENTS

Semester - I

1. **Introduction - Stone Age Cultures**

1-36

Definitions - Nature and Scope of History - History and Its Relationship with other Social Sciences - Geographical Features of India - Sources of Indian History : Pre- History - Paleolithic, Mesolithic, Neolithic Chalcolithic and Megalithic Cultures.

2. **Indusvalley - Vedic Cultures**

37-74

Indus Valley Civilization - Its Features & Decline; Early Vedic and later Vedic Civilizations - Vedic Literature - Society - Economy - Polity - Religion.

3. **Emergence of New - Religions - Impact**

75-94

Rise of New Religious Movements - Charvakas, Lokayathas, Jainism and Buddhism; Mahajanapadas - Rise of Magadha; Alexander's Invasion and Its Impact.

4. **Mauryan Age**

95-130

Foundation of the Mauryan Dynasty; Ashoka and His dharma - Polity - Administration - Society - Economy - Religion - Literature - Art and Architecture; Disintegration of the Mauryan Empire; Post-Mauryan Kingdoms- Indo-Greeks- Kushanas and Kanishka - Society - Economy - Literature - Art and Architecture; The Satavahanas; Sangam Age - Literary Development.

5. **Gupta Age**

131-150

Gupta Empire : A Brief Political Survey - Polity and Administration, Social and Economic Conditions, Agriculture and Land Grants - Feudalism, Caste System, Position of Women, Education, Literature, Science and Technology, Art and Architecture - Harshavardana and His Achievements.

Sem
I & II

B.A.
First year

Indian History - Culture

From Pre-historic Age to 1526 C.E.



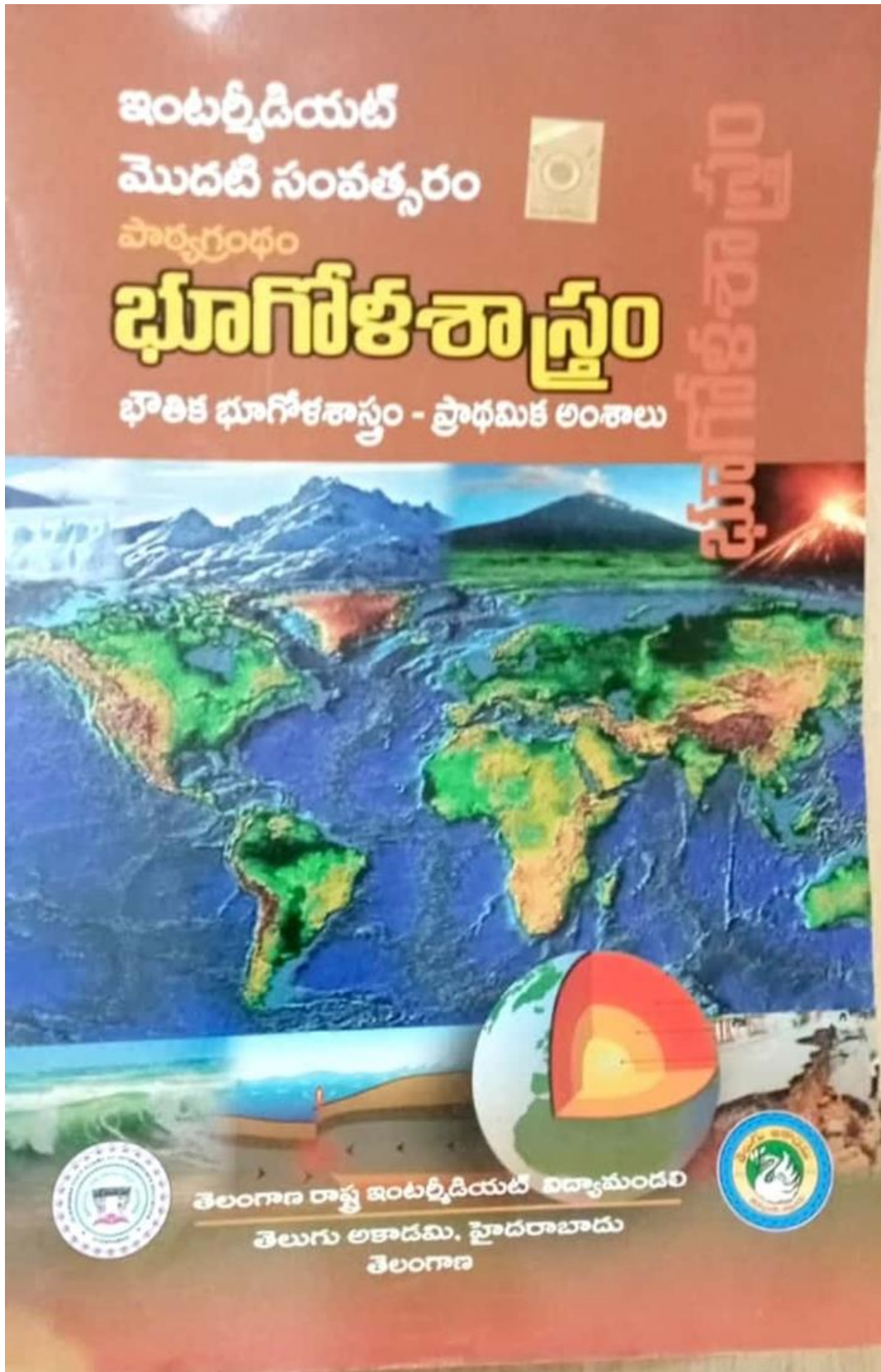
Printed, Published & Distributed by
TELUGU AKADEMI
Himayatnagar, Hyderabad
email : info@teluguacademy.net
web : www.teluguacademy.net

ISBN 818180404-X



9 781818 04044

S.No 22 Dr. Vigneshwar Mekha



ఇంటర్మీడియట్

మొదటి సంవత్సరం పాఠ్యగ్రంథం

భూగోళశాస్త్రం

భౌతిక భూగోళశాస్త్రం - ప్రాథమిక అంశాలు

రచయితలు

డా॥ పి. పద్మనాథరావు

అసోసియేట్ ప్రొఫెసర్ (రిటైర్), భూగోళశాస్త్ర శాఖ
ఆర్కిక, సాంఘిక అధ్యయన కేంద్రం, హైదరాబాదు

డా॥ ఆర్. సుధాకర్ గౌడ్

అసిస్టెంట్ ప్రొఫెసర్, జియోగ్రాఫీ డివిజన్
తెలంగాణ విశ్వవిద్యాలయం, డి.ఓ.పల్లి, నిజామాబాదు

డా॥ డి. ప్రతిజ్ఞ

అసిస్టెంట్ ప్రొఫెసర్, జియోగ్రాఫీ డివిజన్
తెలంగాణ విశ్వవిద్యాలయం, డి.ఓ.పల్లి, నిజామాబాదు

డా॥ ఆనంద్ గోపాని

అసిస్టెంట్ ప్రొఫెసర్ (సి), భూగోళశాస్త్ర విభాగం
ఉస్మానియా విశ్వవిద్యాలయం, హైదరాబాదు

డా॥ విఘ్నేశ్వర్ మేకా

అసిస్టెంట్ ప్రొఫెసర్ (సి), భూగోళశాస్త్ర విభాగం
నాగార్జున కళాశాల, నల్లగొండ

సంపాదకులు

డా. పి. పద్మనాథరావు

అసోసియేట్ ప్రొఫెసర్ (రిటైర్), భూగోళశాస్త్ర శాఖ
ఆర్కిక, సాంఘిక అధ్యయన కేంద్రం
హైదరాబాదు

తెలంగాణ రాష్ట్ర ఇంటర్మీడియట్ విద్యామండలి

తెలుగు అకాడమి, హైదరాబాదు

తెలంగాణ



With the Financial Assistance of
Commission for Scientific and
Technical Terminology, New Delhi.

విజ్ఞప్తి

తెలుగు అకాడమి వివిధ విద్యార్థులకు
విజ్ఞప్తి పంపిస్తుంది. అకాడమి
వారు విజ్ఞప్తి పంపిస్తున్నట్లుగా
విజ్ఞప్తి పంపిస్తుంది.

ప్రస్తుత తెలుగు అకాడమి ఇంటర్ గ్రామీణులకు తెలుగు భాష
సంస్కృతీయల్ విద్యాయంతరి, హైదరాబాదు వారు రూపొందించిన
విద్యార్థులకోసం అనుగ్రహంగా ప్రచురిస్తుంది.

సకలలో కొందరు ప్రముఖ ముద్రాపకులు ఇంటర్గ్రామీణుల కోర్సులకు
సంబంధించిన పుస్తకాలను చూడగానే తెలుగు అకాడమి పుస్తకాలనే ప్రముఖ
కలెక్షన్ రీతిలో వకటి పుస్తకాలు తయారుచేసి మార్కెట్లో అమ్మకాలు
సాగించారు. ఈ సందర్భంగా పాఠ్య పుస్తకాలను కొనుగోలు చేసేటప్పుడు
వాణ్యరహితాలు ముఖ్యతరం మీద తెలుగు అకాడమి హోల్స్ కొనుగోలును
చరిపించి కొనుగోలు చేయవలసిందిగా విద్యార్థులకు అధ్యాపకులకు
తెలుగు అకాడమి విజ్ఞప్తి.

విద్యార్థులు, అధ్యాపకులు, ఇతరులు వివరాల వకటి పుస్తకాలను గమనిస్తే
తెలుగు అకాడమి సంబంధులకు తెలియ జేయవలసిందిగా కోరుతున్నాం.
తెలుగు అకాడమి ప్రతి సంవత్సరం విషయవరంగా పుస్తకాలను పంపిస్తే
దేయించి పరిష్కార ప్రతులుగా ప్రచురిస్తుంది. కాబట్టి పాఠకులకు వకటి
పుస్తకాలు కొనే విద్యార్థులకు వస్తుం కలిగే అవకాశం ఉంది. విద్యార్థులు,
అధ్యాపకులు ఈ విషయాన్ని గమనించి పాఠకులందరినీ
కోరుతున్నాం.

సంచాలకులు
తెలుగు అకాడమి

ఇంటర్గ్రామీణులకు
మొదటి సంవత్సరం
పాఠ్యక్రమం

భూగోళశాస్త్రం

భౌతిక భూగోళశాస్త్రం - ప్రాథమిక అంశాలు



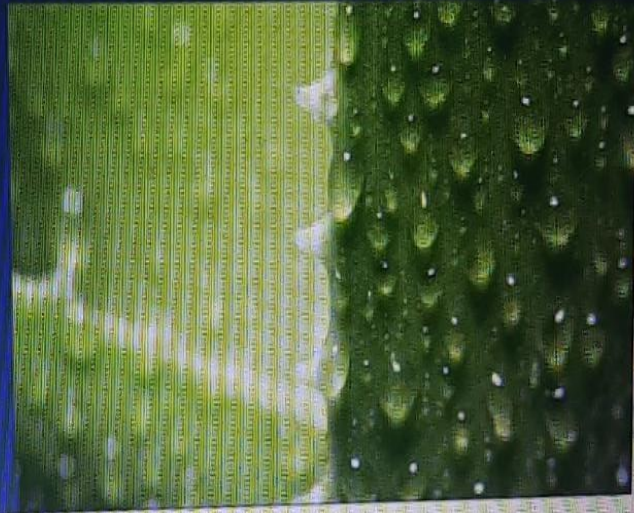
ముద్రణ, ప్రచురణ, పంపిణీ
తెలుగు అకాడమి
కొంపూరుకోడూరు, హైదరాబాదు
email : info@teluguacademy.net
web : www.teluguacademy.net

ISBN 818180615-8



9 788181 806154

The present thesis indentures with the analysis on Preparation, Characterization, Thermophysical properties of Indium Oxide (In₂O₃) nanoparticles and In₂O₃ nanofluids, Effect of capping agents on size, morphology and optical properties, and the application of the obtained In₂O₃ nanoparticles as LPG Gas sensor. The major aim in this research work was centered on the synthesis of In₂O₃ nanoparticles from Acacia gum (Acacia nilotica), Neem Gum, Katira gum (Astragalus gummifer), Gum Kondagogu (Cochlospermum gossypium) and Toddy, and the synthesis of nanofluids using Acacia gum synthesized In₂O₃ nanoparticles with Albumen and Gelatin proteins. These synthesized nanoparticles can be utilized in LPG Gas Sensing, and nanofluids for Heat transfer applications.



Kanchana Latha Chittur
Ramchander Merugu
Aparna Yarama

Dr. Kanchana is an Assistant Professor of Physics and has been teaching for the past 20 years in this area. She completed her M. Phil from UOH and Ph.D from JNTU, Hyderabad. Her area of interest are Nanotechnology, Nanosensors, biological applications of nanoparticles. She could publish about 10 papers in various National and International Journals.

GUM MEDIATED SYNTHESIS OF INDIUM OXIDE Nanoparticles & Nanofluids



978-613-9-87172-8

Chaitanya Maruduj Venkatesh

LAP LAMBERT
Academic Publishing

S.No 24 Dr. A. Madhuri

GENERAL MICROBIOLOGY

(With Practicals)



Dr. Chand Pasha
Dr. A. Madhuri
Ms. Ingelela Marian Rajini

GENERAL MICROBIOLOGY

(With Practicals)

(For B.Sc. I Year, Semester-I, Paper-I)

EDITOR

Dr. Chand Pasha
Assistant Professor & Head
Department of Microbiology
Nizam College, Osmania University
Hyderabad

AUTHORS

Dr. Chand Pasha
Assistant Professor & Head
Department of Microbiology
Nizam College, Osmania University
Hyderabad

Dr. A. Madhuri
Assistant Professor & Head
Department of Microbiology
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Ingelela M. Rajini
Assistant Professor & Head
Department of Microbiology
Govt. Degree College for Women
Hussainialam, Hyderabad

DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS
Lohia Nagar-Meerut

B.Sc.-I Year Semester-1



Dr. Chand Pasha
Dr. A. Madhuri
Ms. Ingelela Marian Rajini

DIVYA LAKSHMI

PUBLISHERS & DISTRIBUTORS
Lohia Nagar, Meerut-25001 (UP)



vo K9 Note




S.No 25 Dr. A. Madhuri



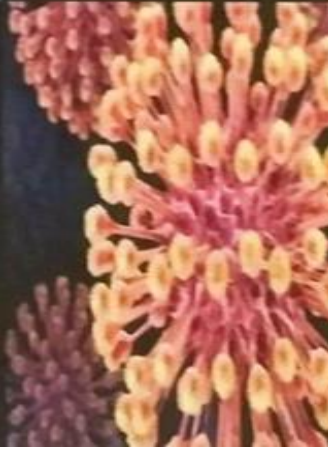
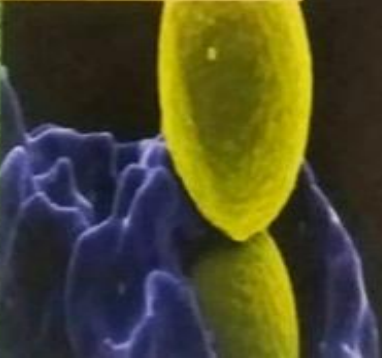

MICROBIAL DIVERSITY

(With Practicals)

SEMESTER-II



Dr. Chand Pasha
Dr. A. Madhuri



DLPD

MICROBIAL DIVERSITY

(With Practicals)
(For B.Sc. I Year, Semester-II, Paper-2)

EDITOR

Dr. Chand Pasha
Assistant Professor & Head
Department of Microbiology
Nizam College, Osmania University
Hyderabad

AUTHORS

Dr. Chand Pasha
Assistant Professor & Head
Department of Microbiology
Nizam College, Osmania University
Hyderabad

Dr. A. Madhuri
Assistant Professor & Head
Department of Microbiology
Govt. Degree College for Women (A)
Begumpet, Hyderabad

DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS
Meerut-UP

SEMESTER-II

Dr. Chand Pasha
Dr. A. Madhuri



₹ 200.00

DIVYA LAKSHMI

PUBLISHERS & DISTRIBUTORS

Lohia Nagar, Meerut-25001 (UP)



S.No 26 Dr. I Sandya Jyostna

TOURIST VISION 2K20 (GREATER HYDERABAD)



Mrs. I. SANDHYA JYOSTHNA

DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS

Published by:
**DIVYA LAKSHMI PUBLISHERS
AND DISTRIBUTORS**
Lohia Nagar
Meerut-250001 (UP)
Ph:-9391032119, 9634960476
E-mail: dpublishersmrt@gmail.com

©Authors

Tourist Vision 2K20

Edition:
First Published-2020

Price: **Rs. 150.00** only

ISBN: 978-81-944873-0-2

Printed at:
Sai Tirumala Printers
Hyderabad

Note:

All rights reserved. No part of this book may be reproduced, stored in any electronic or mechanical form, including photocopy, recording or otherwise, without the prior written permission of Authors & Publishers. Doing in this regard will be punishable and liable to legal notice.

About the Author



Mrs. I. Sandhya Jyosthna

Vice Principal,
Government Degree College for Women
Begumpet, Hyderabad

Mrs. I. Sandhya Jyosthna obtained her M.A. degree in History from Osmania University, Hyderabad. She has more than 12 years of experience of teaching in Junior college and around 10 years in degree colleges. Currently she is Vice Principal of Government Degree College for Women, Begumpet. She has submitted her Ph.D thesis in 'Ancient Indian History and Archeology'.

She is the life member of South Indian History Congress & Telangana History Congress. She has two paper publications in national and one paper publication in International journals. She has authored two books in history for intermediate students, published by Telugu Academy.



**DIVYA LAKSHMI PUBLISHERS
AND DISTRIBUTORS**

Lohia Nagar, Meerut-25001 (UP)



S.No 27 Dr. K. Kamala



Kandi Kamala

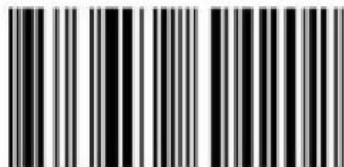
Role of Non Governmental Organisations in Telangana State

 **LAMBERT**
Academic Publishing

Non-governmental organization (NGO) is a term that has become widely accepted as referring to a legally constituted, non-governmental organization created by natural or legal persons with no participation or representation of any government. In the cases in which NGOs are funded totally or partially by governments, the NGO maintains its non-governmental status and excludes government representatives from membership in the organization. Unlike the term intergovernmental organizations, "non-governmental organization" is a term in general use but is not a legal definition. In many jurisdictions these types of organization are defined as "civil society organizations" or referred to by other names. Every now and then, they need to self-assess their grass-root interventions to know whether they are relevant in relation to the changing world order. They have to network people's organizations and strategically ally them. So that they can protect themselves from being marginalized by external forces. Otherwise, the social infrastructure created in the village level by NGOs out of their hard work for decades may be blown away by the wings of Macro/Power centers.

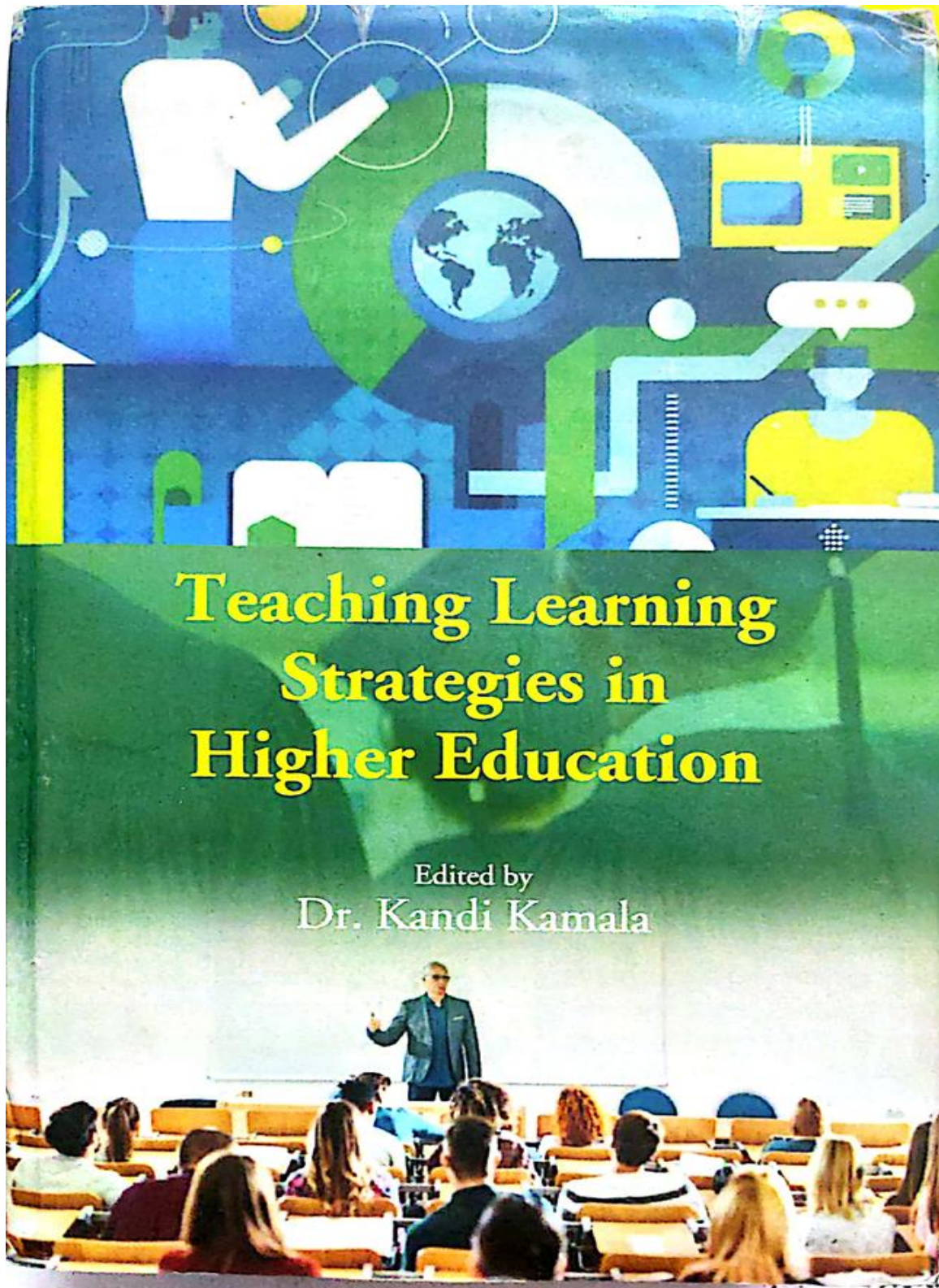


Dr.K.Kamala, Asst, Professor in Dept of Political Science, Govt Degree College, Serilingampally, Hyderabad. She is Member of Board of Studies, Osmania University, she has edited two books and published one book and presented papers in National, International seminars and she has also publications in national and International Journals.



978-3-659-69420-2

S.No 28 Dr. K. Kamala



© Author

All rights reserved. No part of this work may be reproduced, stored, adapted, or transmitted in any form or by any means, electronic, mechanical, photocopying, micro-filming, recording or otherwise, or translated in any language, without the prior written permission of the copyright owner and the publisher. The book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the prior publisher's written consent in any form of binding or cover other than that in which it is published.

The views and opinions expressed in this book are author(s) own and the facts reported by them have been verified to the extent possible, and the publishers are not in any way liable for the same.

Published, 2020

Published by



GenNext Publication
5, Ansari Road
Daryaganj, New Delhi-110002
Phone: 9811692060
E-mail: gennextpublication@hotmail.com

Printed at: G. Print Process, Delhi.

Cataloging in Publication Data—DK

Courtesy: D.K. Agencies (P) Ltd. <docinfo@dkagencies.com>

Teaching learning strategies in higher education / ed., Kamala

pages cm

Includes bibliographical references and index.

ISBN 9789353242312

1. Education, Higher—India. 2. College teaching—India. I. Kamala, Kandji, editor.

LCC LA1153.T43 2020 | DDC 378.54 23



genNEXT
PUBLICATION

Books for Modern Elevated Readers

Distributed by:



GYAN BOOKS PVT. LTD.

5, ANSARI ROAD, DARYA GANI, NEW DELHI- 110002

PHONES: 9811692060

E-mail: books@gyanbooks.com www.gyanbooks.com

Price: ₹ 1990

ISBN: 978-93-5324-231-2



9 789353 242312

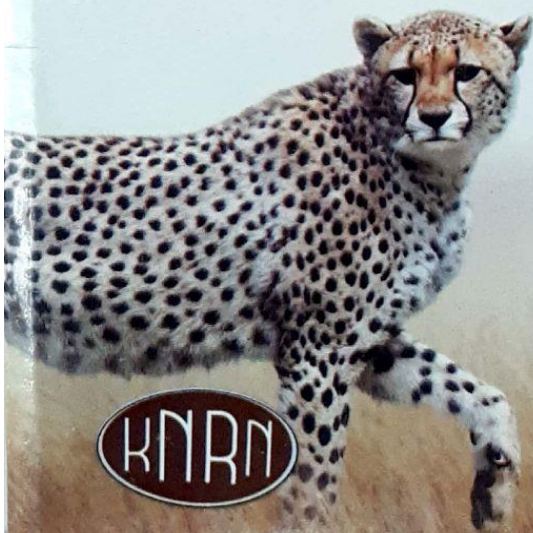
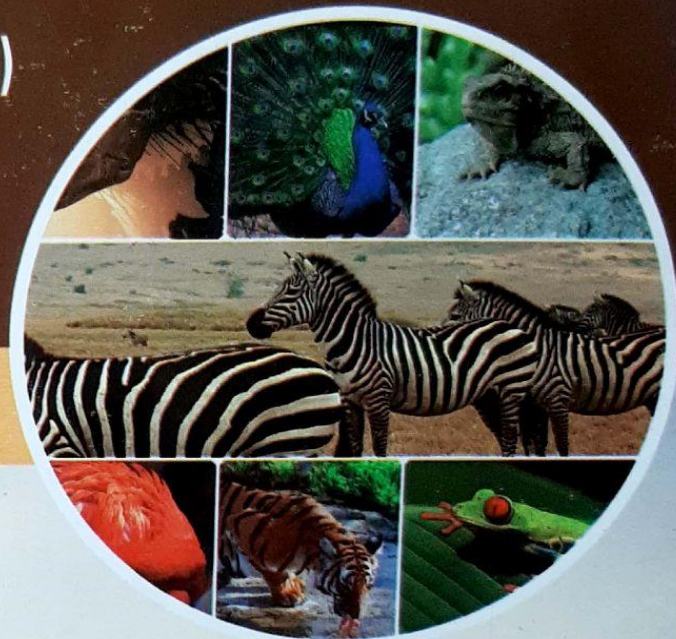
S.No 29 Mrs Supraba Panda

Animal Diversity **VERTEBRATES**

(With Practicals)

SEMESTER-II

Dr. Suprabha Panda



KNRN

A Text Book of

ANIMAL DIVERSITY- VERTEBRATES

For Students of **B.Sc. Zoology—Part 1-Semester-II**
(Under CBCS Curriculum)

► (WITH PRACTICALS) ◀

Author :

Dr. Suprabha Panda

M.Sc., B.Ed., APSET, Ph-D.

Assistant Prof. & Head, Department of Zoology
Government Degree College for Women
Begumpet, Hyderabad

According to the **NEW SYLLABUS**

KEDAR NATH RAM NATH

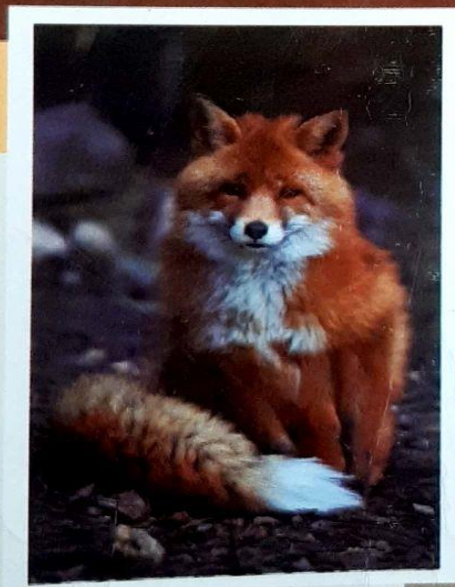
MEERUT

A TEXT BOOK OF

Animal Diversity
VERTEBRATES

SEMESTER-II

(With Practicals)



Dr. Suprabha Panda



KEDAR NATH RAM NATH

132, R.G. College Road, Meerut - 250001 (U.P.) INDIA
web : www.knrnpublishations.com



ISBN 81-9447-412-4

9 788194 474128

2020-2021

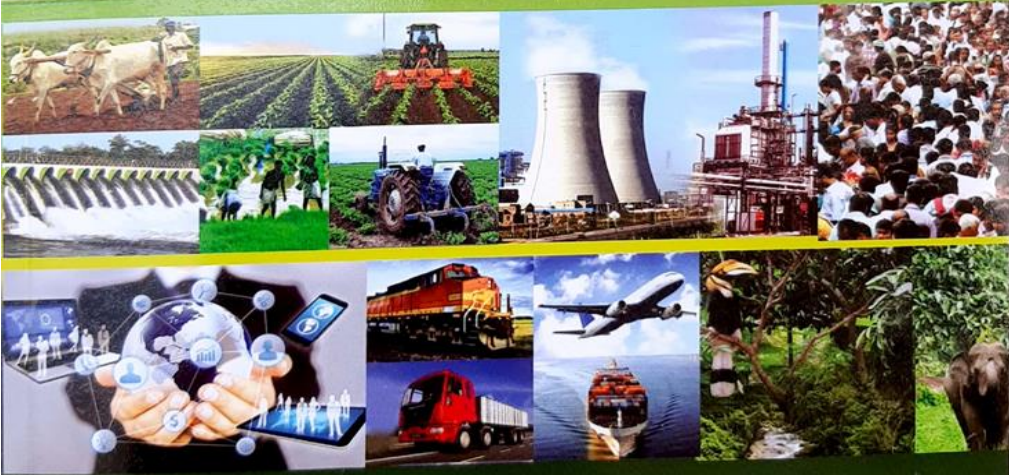
S.No 30 Dr. Vigneshwar Mekha

పాఠ్యగ్రంథం

ఇంటర్మీడియట్ రెండవ సంవత్సరం

భూగోళశాస్త్రం

మానవ, ఆర్థిక భూగోళశాస్త్రం



తెలంగాణ రాష్ట్ర ఇంటర్మీడియట్ విద్యామండలి

తెలుగు అకాడమి, హైదరాబాదు
తెలంగాణ



ఇంటర్మీడియట్
రెండవ సంవత్సరం
భూగోళశాస్త్రం
మానవ, ఆర్థిక భూగోళశాస్త్రం
మరియు ప్రయోగదీపిక

రచయితలు

ఆచార్య పి. పద్మనాభరావు
 అసోసియేట్ ప్రొఫెసర్ (రిటైర్డ్)
 సెంటర్ ఫర్ ఎకనామిక్స్ & సోషల్ స్టడీస్ (సెస్)
 హైదరాబాద్, తెలంగాణరాష్ట్రం

డా॥ ఆర్. సుధాకర్ గౌడ్
 అసిస్టెంట్ ప్రొఫెసర్, జియోగ్రాఫీ డివిజన్
 తెలంగాణ విశ్వవిద్యాలయం
 డివ్ పల్లి, నిజామాబాద్, తెలంగాణరాష్ట్రం

డా॥ డి. ప్రతిజ్ఞ
 అసిస్టెంట్ ప్రొఫెసర్, జియోగ్రాఫీ డివిజన్
 తెలంగాణ విశ్వవిద్యాలయం
 డివ్ పల్లి, నిజామాబాద్, తెలంగాణరాష్ట్రం

డా॥ అనంద్ గోపాని
 అసిస్టెంట్ ప్రొఫెసర్ (సి)
 భూగోళశాస్త్ర విభాగం, ఉస్మానియా విశ్వవిద్యాలయం
 హైదరాబాద్, తెలంగాణరాష్ట్రం

డా॥ పారుపల్లి అంజనేయులు
 సీనియర్ రీసెర్చ్ అసోసియేట్
 సెంటర్ ఫర్ ఎకనామిక్స్ & సోషల్ స్టడీస్ (సెస్)
 హైదరాబాద్, తెలంగాణరాష్ట్రం

డా॥ విఘ్నేశ్వర్ మేక
 అసిస్టెంట్ ప్రొఫెసర్ (సి)
 భూగోళశాస్త్ర విభాగం, ప్రభుత్వ సీటీ కళాశాల
 హైదరాబాద్, తెలంగాణరాష్ట్రం

సంపాదకులు

ఆచార్య సి. వేణుగోపాల్ రావు
 ప్రొఫెసర్, (రిటైర్డ్)
 భూగోళశాస్త్ర విభాగం,
 ఉస్మానియా విశ్వవిద్యాలయం
 హైదరాబాద్, తెలంగాణరాష్ట్రం

ఆచార్య పి. పద్మనాభరావు
 అసోసియేట్ ప్రొఫెసర్ (రిటైర్డ్)
 సెంటర్ ఫర్ ఎకనామిక్స్ & సోషల్ స్టడీస్ (సెస్)
 బేగంపేట్, హైదరాబాద్, తెలంగాణరాష్ట్రం



తెలంగాణరాష్ట్ర ఇంటర్మీడియట్ విద్యామండలి
తెలుగు అకాడమి, హైదరాబాద్



తెలంగాణరాష్ట్రం

Intermediate (Second Year) Bhugoola Saastram : Maanava, Aarthika bhugoola Saastram
Prayoogadeepica: Authors : Prof. P. Padmanabha Rao, Dr. R. Sudhakar Goud, Dr.T. Pratigna,
Dr. Anand Gopagani, Dr. P. Anjaneyulu ; Dr. Vigneshwar Meka ; **Editors :** Prof. C. Venugopal Rao,
Prof. P. Padmanabha Rao; **Practical Geography (Representation of Data):** Prof. P.Padmanabha
Rao, Dr. R.Sudhakar Goud, Dr. T. Pratigna, **Editors :** Prof. C. Venugopal Rao, Prof.P. Padmanabha
Rao ; First Edition : 2020; Pp. x + 514 + iv + iv

© TELUGUAKADEMI
Hyderabad

First Edition : 2021
Copies : 2000

Published by TELUGU AKADEMI, Hyderabad- 500 029 under the
Centrally Sponsored Scheme of Production of Books and Literature in
Regional Languages at the University level of the Government of
India in the Ministry of Human Resource Development, New Delhi.

*All rights whatsoever in this book are strictly
reserved and no portion of it may be reproduced
by any process for any purpose without the written
permission of the copyright owners.*

Price : Rs.138= 00

Printed in India
Laser Typeset at Telugu Akademi, Hyderabad
Printed at M/s Divya Jyothi Print & Packaging, Hyderabad

With the Financial Assistance of
Commission for Scientific and
Technical Terminology, New Delhi.

విజ్ఞప్తి

తెలుగు అకాడమి వివిధ విశ్వవిద్యాలయాలు, కళాశాలల్లోని విశేషబోధనానుభవంగల ఆచార్యులు, విషయ నిపుణులతో పాఠ్యపుస్తకాలు తయారు చేయిస్తున్న విషయం అందరికీ తెలిసిందే. రాతప్రతులను వివిధ దశల్లో సంపాదకమండలి, విషయనిపుణులు క్షుణ్ణంగా పరిశీలించిన అనంతరమే ప్రచురించడం జరుగుతుంది. ఆ విధంగా తెలుగు అకాడమి ఉన్నత ప్రమాణాలతో, నాణ్యతగల పాఠ్యపుస్తకాలను విద్యార్థిలోకానికి అందచేయడంలో ప్రత్యేక శ్రద్ధ తీసుకొంటుంది.

ప్రస్తుతం తెలుగు అకాడమి ఇంటర్ గ్రంథాలను తెలంగాణ రాష్ట్ర ఇంటర్మీడియట్ విద్యామండలి, హైదరాబాదు వారు రూపొందించిన పాఠ్యప్రణాళికకు అనుగుణంగా ప్రచురిస్తోంది.

గతంలో కొందరు ప్రయివేట్ ముద్రాపకులు ఇంటర్మీడియట్ కోర్సులకు సంబంధించిన పుస్తకాలను చూడగానే తెలుగు అకాడమి పుస్తకాలనే భ్రమ కలిగించే రీతిలో నకిలీ పుస్తకాలు తయారుచేసి మార్కెట్లో అమ్మకాలు సాగించారు. ఈ సందర్భంగా పాఠ్య పుస్తకాలను కొనుగోలు చేసేటప్పుడు నాణ్యతతోపాటు ముఖపత్రం మీద తెలుగు అకాడమి హోలోగ్రామ్ను పరిశీలించి కొనుగోలు చేయవలసిందిగా విద్యార్థులకూ అధ్యాపకులకూ తెలుగు అకాడమి విజ్ఞప్తి.

విద్యార్థులు, అధ్యాపకులు, ఇతరులు ఎవరైనా నకిలీ పుస్తకాలను గమనిస్తే తెలుగు అకాడమి సంచాలకులకు తెలియ జేయవలసిందిగా కోరుతున్నాం. తెలుగు అకాడమి ప్రతి సంవత్సరం విషయవరంగా పుస్తకాలను సమీక్ష చేయించి పరిష్కృత ప్రతులుగా ప్రచురిస్తుంది. కాబట్టి పొరపాటున నకిలీ పుస్తకాలు కొంటే విద్యార్థులకు నష్టం కలిగే అవకాశం ఉంది. విద్యార్థులు, అధ్యాపకులు ఈ విషయాన్ని గమనించి సహకరించవలసిందిగా కోరుతున్నాం.

సంచాలకులు
తెలుగు అకాడమి



ముద్రణ, ప్రచురణ, పంపిణీ
తెలుగు అకాడమి
హిమాయత్ నగర్, హైదరాబాదు

Url : teluguakademi.telangana.gov.in
Email : info-hyd-ta@telangana.gov.in

ISBN 818180699-9



9 788181 806994

S.No 31 B. Rajinikala



**EMERGING ISSUES IN COMMERCE,
ECONOMICS, INFORMATION TECHNOLOGY
AND MANAGEMENT**

VOL - II

**EDITED BY
DR. ARUP KUMAR SARKAR**

**EMERGING ISSUES IN COMMERCE, ECONOMICS, INFORMATION
TECHNOLOGY AND MANAGEMENT (VOL – II)**

Edited by: DR. ARUP KUMAR SARKAR



RED'SHINE PUBLICATION PVT. LTD.

Headquarters (India): 88, Patel Street, Navamuvada,

Lunawada, India-389 230

Contact: +91 76988 26988

Registration no. GJ31D0000034

In Association with,

RED'MAC INTERNATIONAL PRESS & MEDIA. INC

India | Sweden | London



Text © *Editor*, 2021

Cover page ©RED'SHINE Studios, Inc, 2021



All right reserved. No part of this publication may be reproduced or used in any form or by any means- photographic, electronic or mechanical, including photocopying, recording, taping, or information storage and retrieval systems- without the prior written permission of the author.



ISBN: 978-93-90937-31-8 (Hardcase)

ISBN-A: 10.9390937/318

DIP: 18.10.90937/318

DOI: 10.25215/9789390937318

Price: ₹ 350/-

May, 2021 (First Edition)



The views expressed by the authors in their articles, reviews etc. in this book are their own. The Editor, Publisher and owner are not responsible for them. All disputes concerning the publication shall be settled in the court at Lunawada.

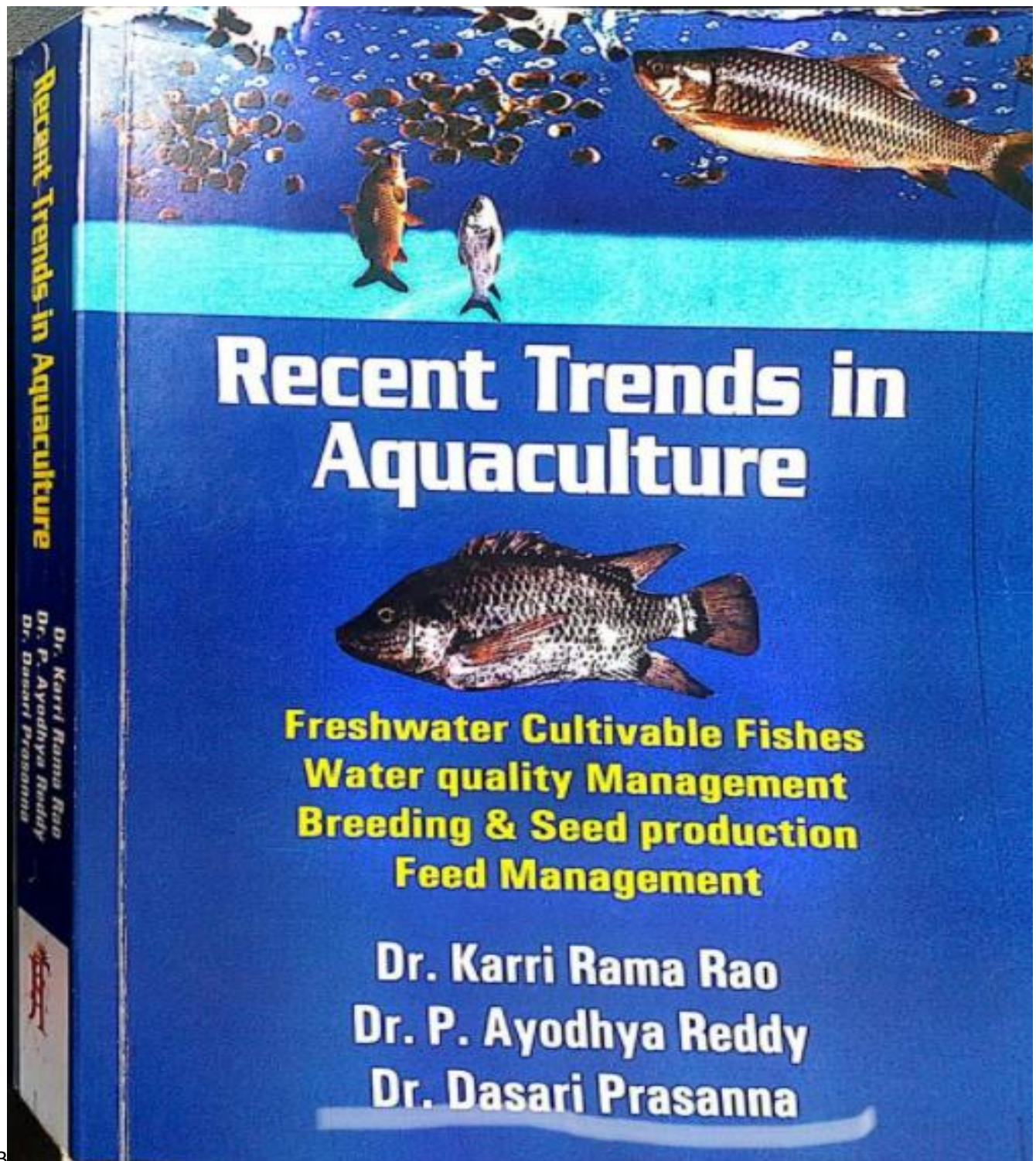


www.redshine.co.in | info.redmac@gmail.com

Printed in India | Title ID: 90937318

SR.NO.	CHAPTERS AND AUTHORS	PAGE NO.
7	CHAPTER 7 INFLUENCE OF GST ON START-UP BUSINESS: AN ANALYTICAL STUDY <i>Dr Suvarun Goswami</i>	96
8	CHAPTER 8 THE PSYCHOSOCIAL EFFECTS OF COVID-19 PANDEMIC <i>Dr. Nancy Prasanna Joseph</i>	104
9	CHAPTER 9 AATMANIRBHAR BHARAT –A MISSION TO MAKE INDIA SELF-RELIANT <i>Abhishek Sharma, Ankitha Lohia</i>	120
10	CHAPTER 10 EMPLOYMENT OPPORTUNITIES FOR WOMEN IN RURAL AREA: AN ECONOMIC PROSPECT IN GOLAGHAT DISTRICT OF ASSAM <i>Biswajyoti Doley</i>	133
11	CHAPTER 11 A STUDY ON STRUCTURE OF HEALTHCARE SYSTEM <i>Dr. K.R.Manjula</i>	143
12	CHAPTER 12 INCORPORATING STRATEGIES OF CRM (CUSTOMER RELATIONSHIP MANAGEMENT) FOR THE CONTENT OF CUSTOMERS OF THE COMPANY <i>Boda A Rajinikala</i>	152
13	CHAPTER 13 WOMEN ENTREPRENURSHIP IN INDIA: PROBLEMS & CHALLENGES <i>Mrs. Kalpana Sahu, Dr. Sanjita Lenka</i>	161

S.No 32. Dr. D. Prasanna



B

About the Book

The concept of recent trends in aquaculture is consisting of four chapters, is designed and explains the advanced technologies in aquaculture in the present and future generations. The scope, sequence and level of knowledge are designed to cater to the needs of the students, teachers and research scholars as to the best reference guide. A concept of aquaculture management includes interesting applications and themes of aquaculture biology.

About the Authors



Dr. K. Rama Rao, Asst. Professor of Zoology, he completed M. Sc (Zoology) Specialization in Fisheries and Aquaculture; M. Sc (Psy) and M. Ed, Ph. D (A U), D.Litt (Hon) from University of Asia. 2 PDFs in DBT and DBT Projects, Principal Investigator of UGC Research Project, State Best Teacher award (Yavataram), Year of the Asst. Professor of Zoology Award, VD GOOD International Scientist Award 2020-21, Mother Teresa Vidhya Bhushan & Seva Ratna National Award, Best Employ award and Best Researcher Awarder. Two Rare fish species were identified -2014 and 15, Associate editor to 7 International journals and 22 years of research and teaching experience at Degree and post graduation level. 65 Research papers were published in both International and national peer reviewed scientific journals, 35 Research papers presented at national and international symposia and conferences. Published online video lessons and virtual dissections in Zoology. Board of studies member to M.Sc fisheries and Zoology, published YouTube online videos on Biodiversity. Live telecast lessons presented through MANA TV.

Dr. P. Ayodhya Reddy who has been working as Asst. Professor of zoology, Government degree college, Siddipet (A) Presently head dept of Zoology, BOS chairman for PG fisheries. He did his masters in zoology and education from Osmania university HYD, and he has been awarded Ph.D in 2012 from Kakatiya University. He has 18 years of teaching experience as junior Lecturer, and Asst. Professor of zoology. For his credit he has been awarded with state level best teacher in zoology by CCE TS in 2016 and he is adjudged as outstanding supervisor for guiding the students for Jignasa students study projects. He participated and presented papers at state, national and international level seminars, webinars and workshops and published number of articles in ISBN publications. He is Editorial board member and serving as state level master trainer for various elections and also for census 2011 and 2021. He is the member in various academic and non academic bodies and member in academic council and governing body. He is serving as coordinator TSKC and career guidance and placement cell.



Dr. Dasari Prasanna, Asst. Professor, Head department of Zoology working in Government Degree College for women (A) Begumpet, Hyderabad. She is M. Sc., SLET, Ph.D. Osmania University, she also a PG Diploma holder in Computer Applications (PGDCA), APEL 1999. She has 20 years teaching experience in UG level. Published 7 research papers in international and national journals. Presented 6 research papers at national and international symposia and conference. Published 12 Google you tube video lessons and PPT slide share website. Member Board studies in Tara Government College Sangareddy and paper setter for autonomous colleges in Telangana. Co-Author to Telugu Academy Text book for B.Sc. B.Z.C. Zoology Practical manual. Authored a Study material in Zoology for B.Sc. B.Z.C. First year published by Charan Publications Nalgonda. Editorial committee member for JIGNASA Magazine 2017-2018 published by Commissionerate of Collegiate Education, Hyderabad, Telangana state.



JTS Publications

V-508, Gali No. 17, Vijay Park Delhi-110053
Mob.08527460252, 9990236819
Email: jtspublications@gmail.com

ISBN 978-93-90143-69-6



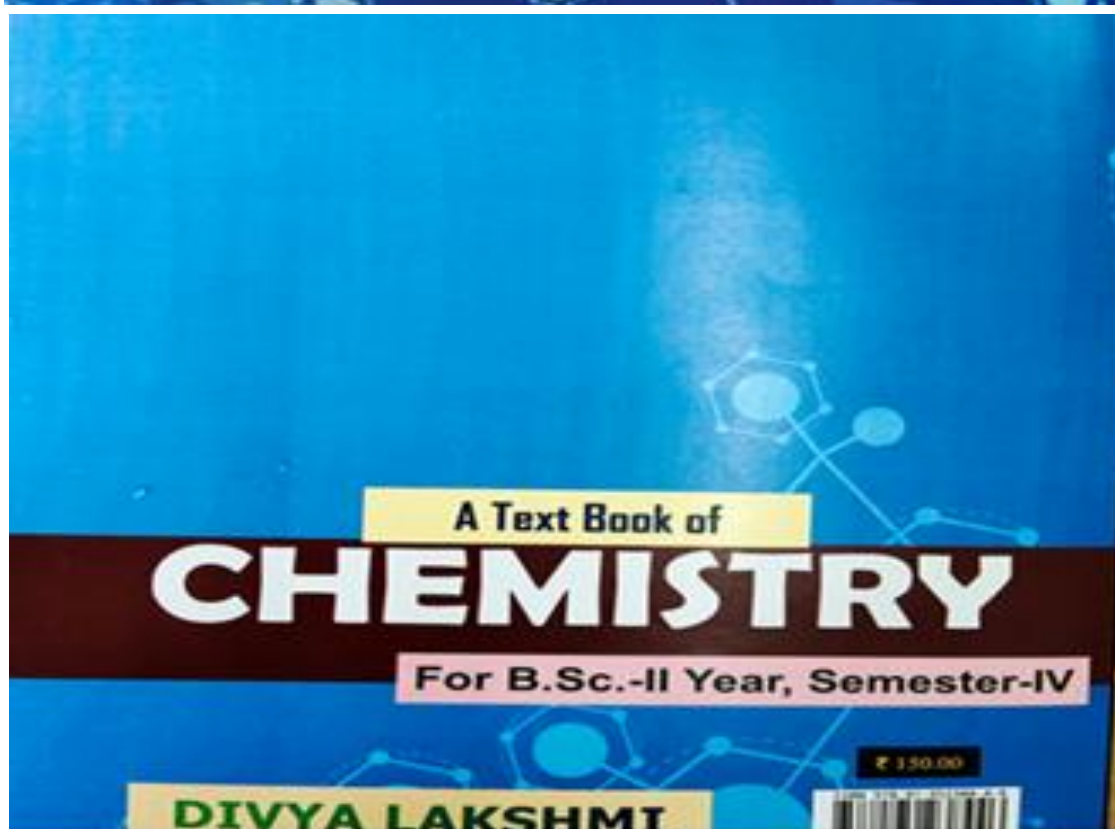
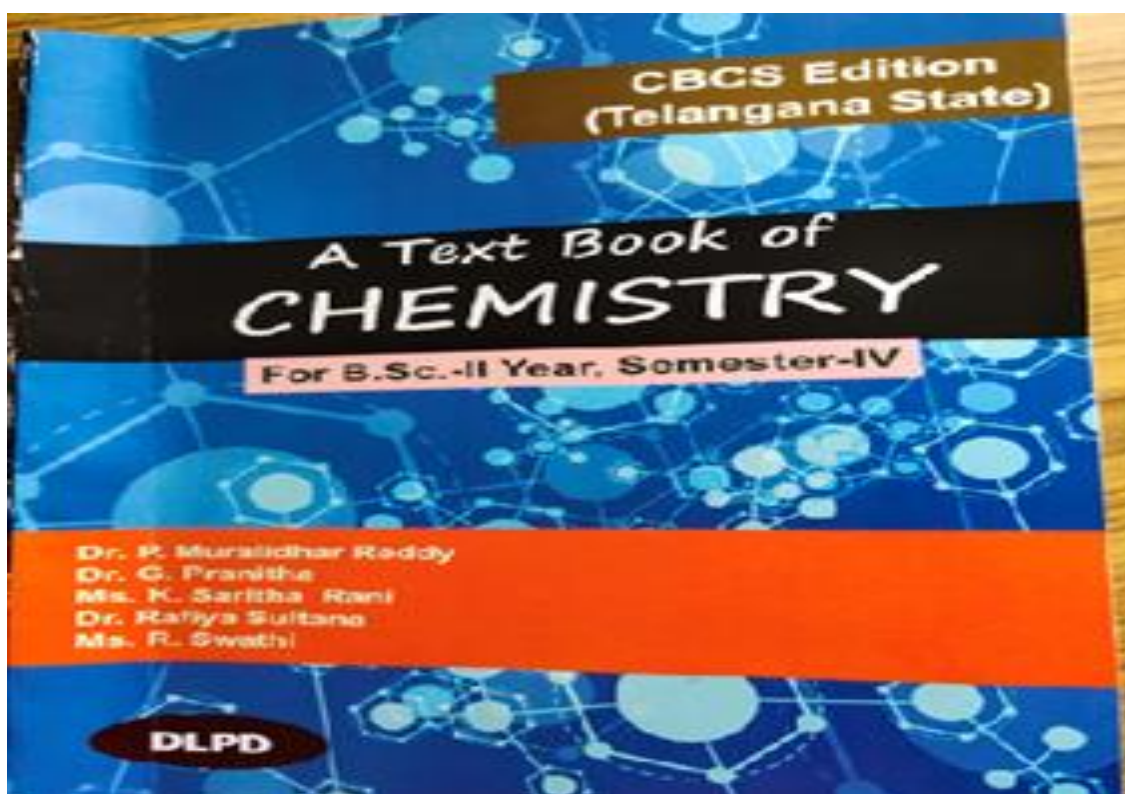
₹ 650/-

Recent Trends in Aquaculture

Dr. Karri Rama Rao
Dr. P. Ayodhya Reddy
Dr. Dasari Prasanna



S.No 33. Dr. G. Pranitha



A TEXT BOOK OF
CHEMISTRY
(For B.Sc. II Year, Semester-IV, Paper-IV)

Editor

Dr. P. Muralidhar Reddy
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Osmania University,
Hyderabad

Authors

Dr. G. Pranitha
M.Sc., Ph.D.
Assistant Professor & Head,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Dr. Rafiya Sultana
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Smt. K. Sarita Rani
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Smt. R. Swathi
M.Sc., Ph.D.
Lecturer,
Department of Chemistry,
K.D.R Govt. Polytechnic College
Wanaparthy

DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS

LOHIA NAGAR, MEERUT

S.No 34. Dr. K. Kamala

Dr.K.Kamala, M.A., B.Ed.,
NET, SET., Ph.D. Assistant
Professor, Dept of Political
Science, Government
Degree College for Women
(Autonomous) Begumpet,
(Affiliated) to Osmania



University, Hyderabad, Telangana State, India. She was awarded Doctorate from the Department of Political Science, Osmania University Hyderabad, India on "Demand for smaller states: A study of Telangana" in the year 2017. To her credit she has conducted a two day National seminar on "Higher Education in India: Emerging Challenges" in Collaboration with ICSSR, TSCHS and RUSA in the year 2019 and also Conducted National Webinar on "Determinants of Indian Foreign Policy". She has written three books and has edited three books. And two book reviews. She is the Editorial Board Member & reviewer for nearly one and half dozen Peer-Reviewed and Refereed Journals of National and International. She has 9 National and International memberships in various associations. She has been member of Board of Studies in the Dept. of Political Science, Osmania University during 2017-2019. She has presented papers in more than one dozen International and National Conferences and seminars. She has one dozen International reputed Journal Publications and 15 reputed Publications at National level. She has more than 15 years of teaching and research experience. She is primarily interested in teaching and research in the areas of public policy.

Higher Education in India
Emerging Challenges

Dr. Kandi Kamala

SUNRISE PUBLICATIONS

B-7 Saraswati Complex
Subhash Chowk, Laxmi Nagar
Delhi - 110002
Ph : 9910047468
E-mail : sunrisepublications26@gmail.com



Higher Education in India Emerging Challenges

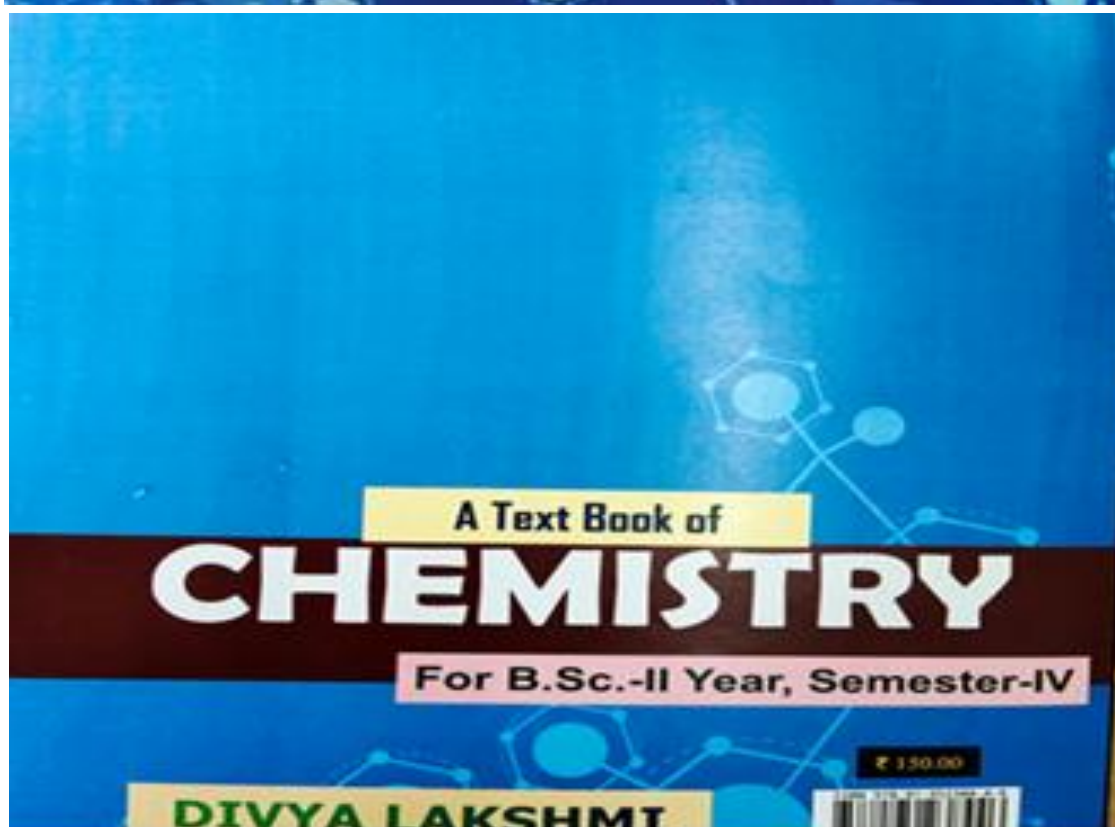
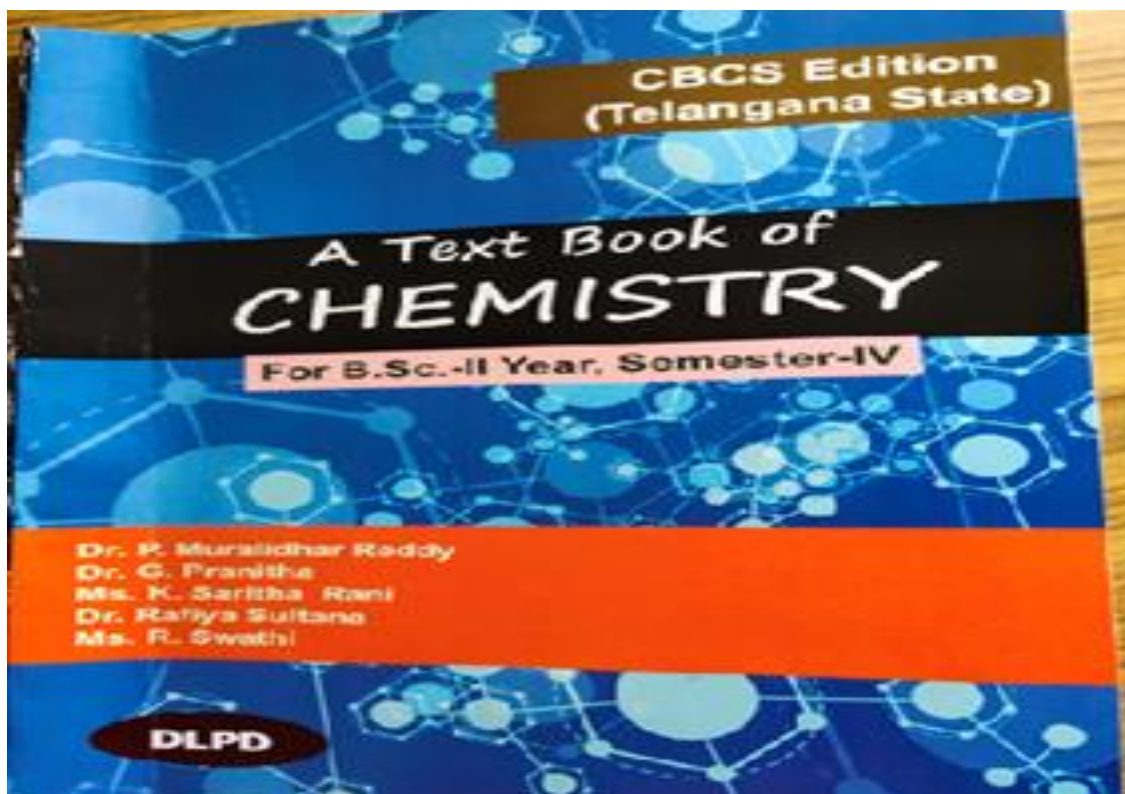


Dr. Kandi Kamala

Higher education in India recently pitched into policy significance, finds a contemporary manual in the book provides an overview of various aspects of India's higher education policy, while delving into the wider contexts of change. Ideology is a bad word, while pragmatism that grants primacy to the immediate over the long term vision is the supreme virtue. This is the undertone of the entire book. What is the driving force behind the so-called pragmatic policy making? I wonder if he would dismiss as 'ideology' a basic premise of the Yashpal Committee report that says "revitalizing the idea of university in an entirely new egalitarian context is the need of the hour". Overall, the book is a highly useful compilation of valuable information, but somewhat flawed by a limiting vision. The chapters deal with structural issues, access and equity concerns, private higher education, financing and management, workforce development, research, regulatory tangles and the need for quality management. To be fair to the author, he acknowledges that the book's emphasis "on the economic role of higher education reflects contemporary reality, though civic moral and intellectual purposes of higher education are important and will continue to be so."

It is surprising that India has no major higher education research centre and no group of researchers focusing on this key subject. Higher education as an academic subject is not taught in Indian universities, and the large cadre of administrators in India's sprawling higher education system have no training about how universities function, their role in society, or the finances or academe. This is in sharp contrast to India, which has an extensive network of higher education training programmes attached to universities several excellent higher education research centres, and a general understanding that policy and management of higher education is a matter of considerable national importance.

S.No 35. Dr. Rafiya Sultana



A TEXT BOOK OF
CHEMISTRY
(For B.Sc. II Year, Semester-IV, Paper-IV)

Editor

Dr. P. Muralidhar Reddy
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Osmania University,
Hyderabad

Authors

Dr. G. Pranitha
M.Sc., Ph.D.
Assistant Professor & Head,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Dr. Rafiya Sultana
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

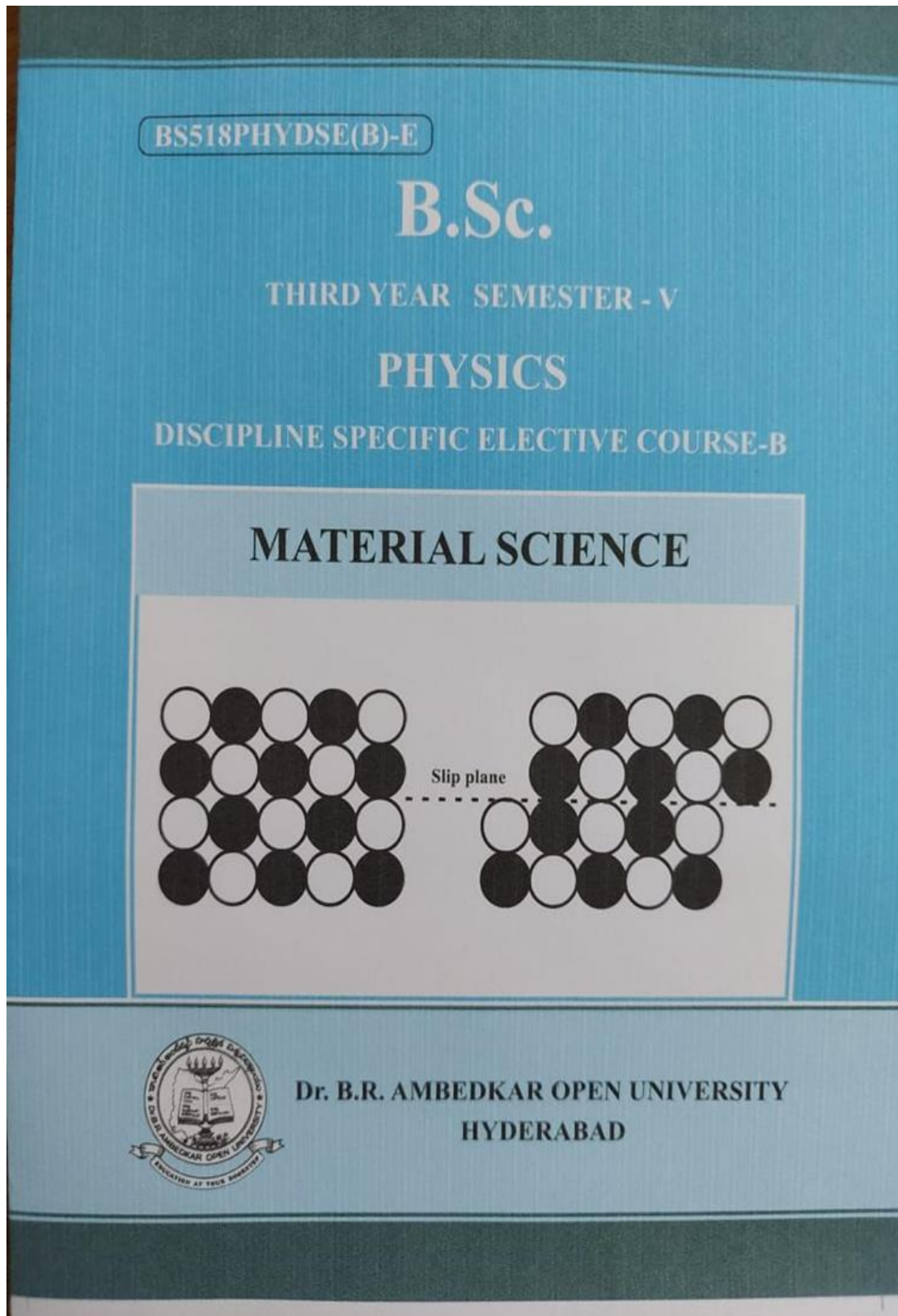
Smt. K. Sarita Rani
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Smt. R. Swathi
M.Sc., Ph.D.
Lecturer,
Department of Chemistry,
K.D.R Govt. Polytechnic College
Wanaparthy

DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS

LOHIA NAGAR, MEERUT

S.No 36. Dr. Ch. Kanchana Latha



COURSE TEAM

COURSE DEVELOPMENT TEAM (CBCS)

Editor

Prof. G.Pushpa Chakrapani

Writers

M.Purnanadam

Dr. N.V.Prasad

Dr. Abdul Hameed

Dr. CH.Kanchana Latha

Course Co-ordinator

Dr. U.Vijaya Usha Sree

Graphic Designer

Venkatswamy

Dr. B.R.Ambedkar Open University, Hyderabad
First Edition 2020

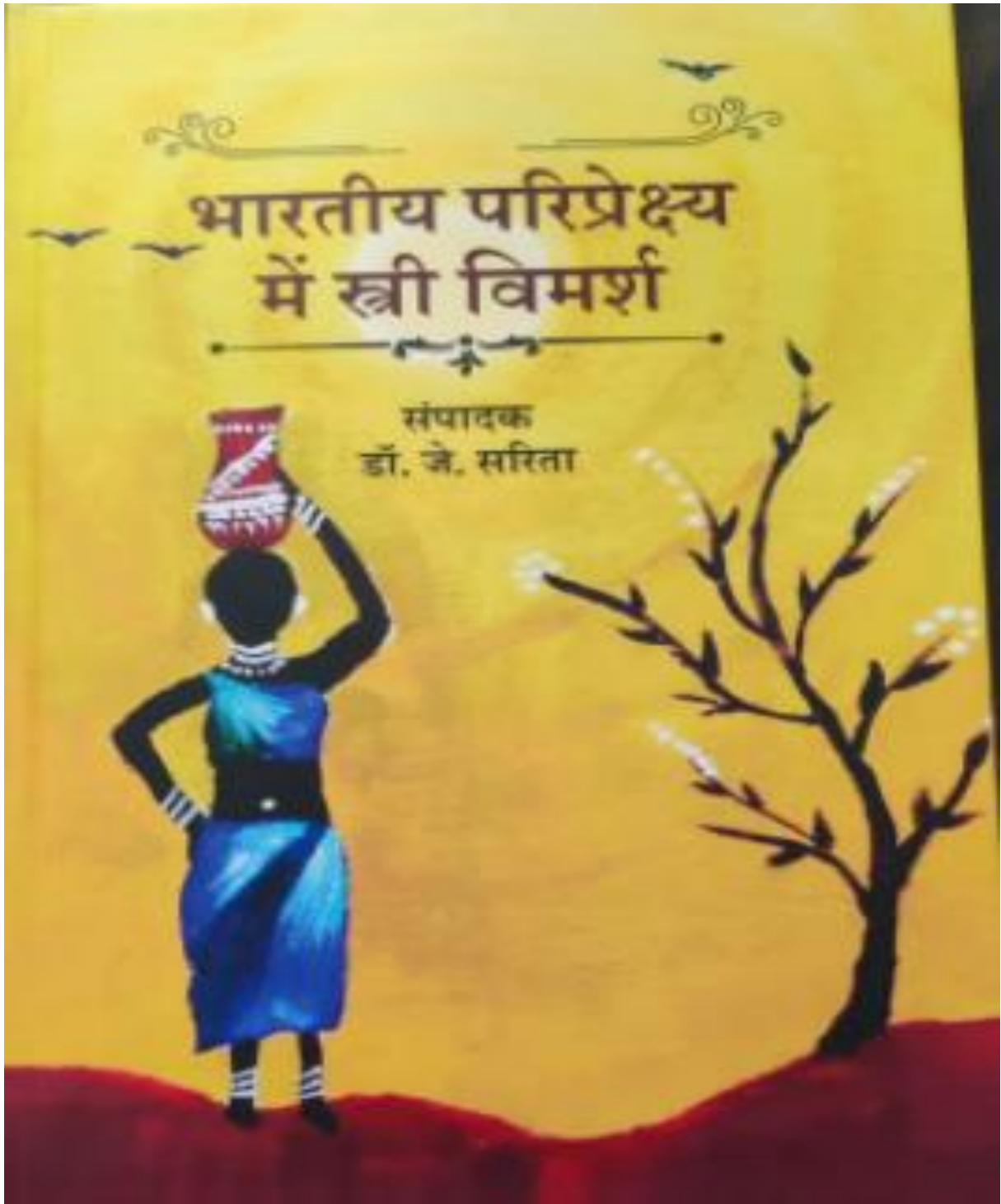
Copy right © 20014 Dr. B.R.Ambedkar Open University, Hyderabad.

All rights reserved. No part of this book may be reproduced in any form without permission in writing.

This text forms part of Dr. B.R.Ambedkar Open University Course. The complete syllabus for the course appears at the end of the text

Further information on Dr. B.R. Ambedkar Open University Courses may be obtained from The Director (Academic), Dr. B.R.Ambedkar Open University, Road No. 46, Jubilee Hills, Hyderabad - 500 033

S.No 37. Dr. J Saritha



भारतीय परिप्रेक्ष्य में स्त्री विमर्श

संपादक
डॉ. जे. सरिता

ISBN : 978-81-943387-5-8

प्रकाशक
संबोधी प्रकाशन
हुंडा (प.उ.) ता. उमरी. जि. नांदेड
महाराष्ट्र - 431807
मो.नं. : 9550258826
E-mail - sontakke.sainath@gmail.com

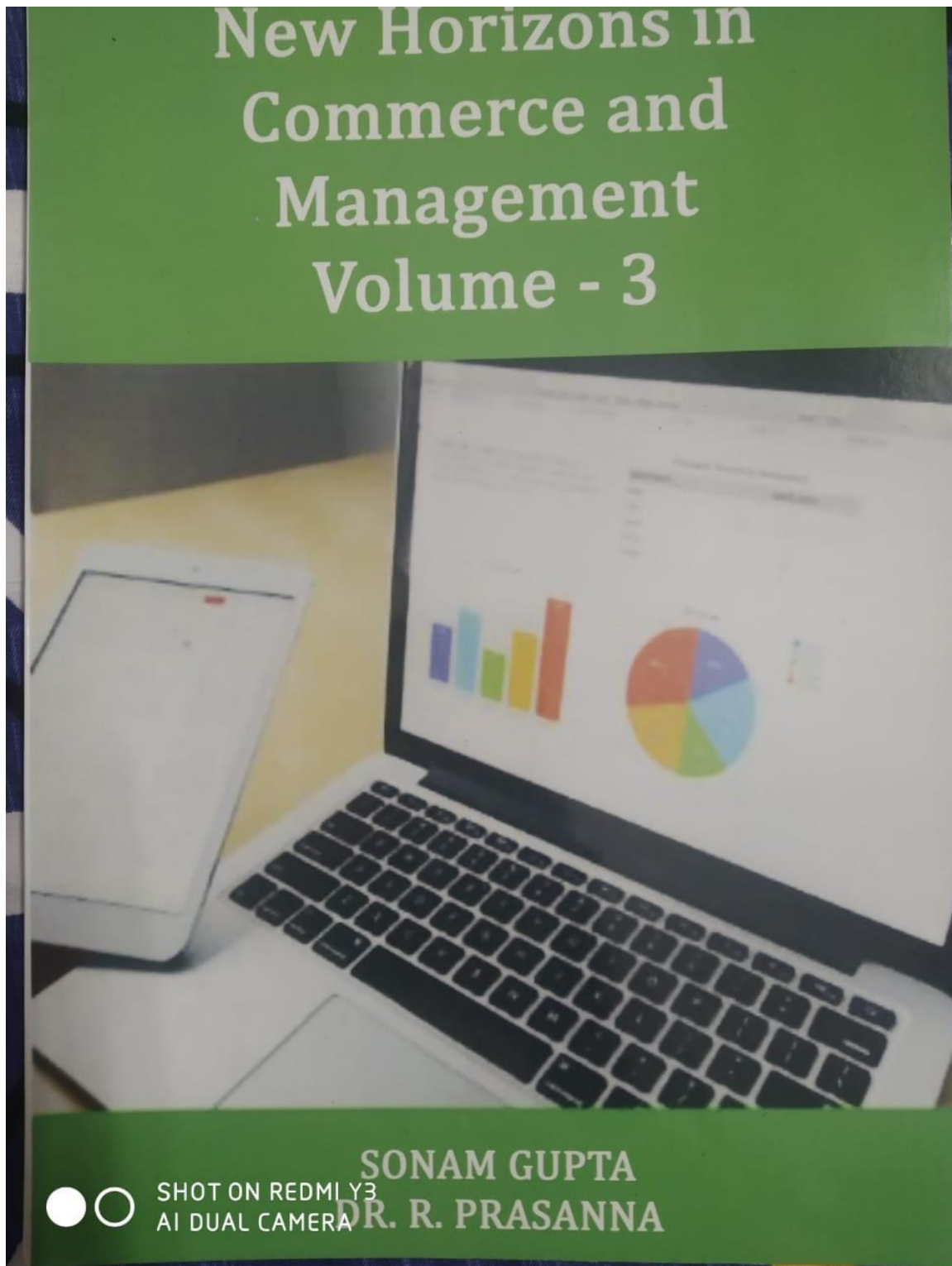
प्रथम संस्करण - 05-03-2021

मुद्रक : SKV Colour Stream, Hyderabad

मूल्य - 280

आवरण चित्र : पूजा गौतम, कलकत्ता

S.No 38. Dr. R. Prasanna



NEW HORIZONS IN COMMERCE & MANAGEMENT

Volume -3

Ms.Sonam Gupta
Dr. Prasanna

All copyrights reserved in high res books

EDITORS / AUTHORS BIOGRAPHY

Ms. Sonam Gupta

Ms. Sonam Gupta is a faculty of Department of Commerce at Dr. Shyama Prasad Mukherjee University, Ranchi, Jharkhand. She has quality experience in Cost Accounts, Management Accounts, Business Maths, Business Law, Project Management, Business Statistics, Business Organisation and Business Management. She is an eminent academician having more than 3 years of rich experience in different capacities with an exposure of corporate as well as academic. She has her contributions in various papers at different International level of Conferences and Seminars

Ms. Gupta is also a Professional counsellor & an NLP Practitioner.



Dr.R Prasanna

Dr.R Prasanna, Assistant Professor currently associated with Government Degree P.G College for Women (A), Hyderabad. She holds a rich experience of 25+ years in Academics & industry. She has a great hold over SPSS & various research & IT tools. She has contributed a number of research Papers in National & international Journals.





Edition 1

SHOT ON REDMI Y3
AI DUAL CAMERA

First Edition 2021
HIGH RISE BOOKS

Amazon Publishers
www.kdp.amazon.com

New horizons in commerce and management
Volume -3

ISBN: 9798530888243

Imprint : Individually published

All rights reserved. No part of this publication may be reproduced, stored in retrieval system, or transmitted in any form or by any means: electronic, mechanical, recording or otherwise, without the prior written permission of the author. This book has been published with the reasonable efforts taken to make the material error-free after the consent of the author. The author of the book and full-length research paper donors are responsible and it's content including but not limited to the views, representations, descriptions, statements, information, opinions and references. The publisher does not endorse or approve the content of this book. The publisher guarantee the reliability, accuracy or completeness of the content published herein. The publisher and the author make no representations or warranties of any kind concerning the book or its contents.

S.No 39. Dr. R. Prasanna



Dr. R. Prasanna
M.Com., N.E.T., Ph.D
Assistant Professor
Department of Commerce
Govt. Degree College Women (A)
Begumpet, Hyderabad

Dr. R. Prasanna

FEMALE BUYING BEHAVIOUR WITH REGARD TO COSMETIC PRODUCTS IN GHMC AREA

Dr. Rudrabhatla Prasanna is the Academic Coordinator in Government Degree College for Women (A), Begumpet, Hyderabad. Her areas of work/specialization are Market Research, Buying Behaviour, Data Analysis, Computerized Accounting through Tally ERP.9/Prime and statistical analysis in Social Science through SPSS. She has contributed a lot in enhancing the research analysis competence of the students and other teaching fraternity as a Resource Person in data analysis and interpretations Through SPSS.

Dr. Rudrabhatla Prasanna is the Recipient of National Level Award of "**Best Women Assistant Professor of Commerce 2020**" for outstanding contribution in the field of Commerce by Pearl Foundation, India. She has participated/presented her Research papers in more than 35 International/National conferences. Her two research articles got best research paper awards in National Conferences with Cash Price and Publication. She has also been a motivational speaker for corporate Human Resource Training Programmes and she uses such experience in indulging confidence and capacity building of her students to match themselves with industrial needs and secure better jobs when they enter into the market



FEMALE BUYING BEHAVIOUR WITH REGARD TO COSMETIC PRODUCTS IN GHMC AREA

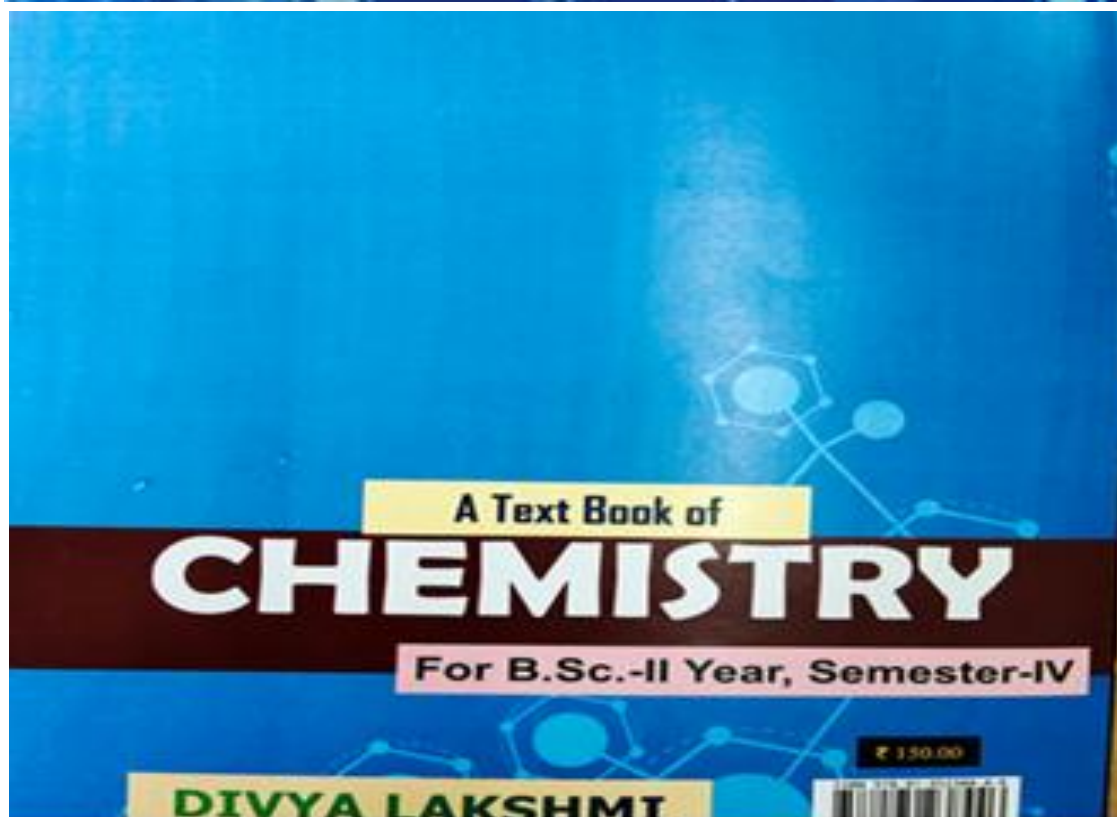
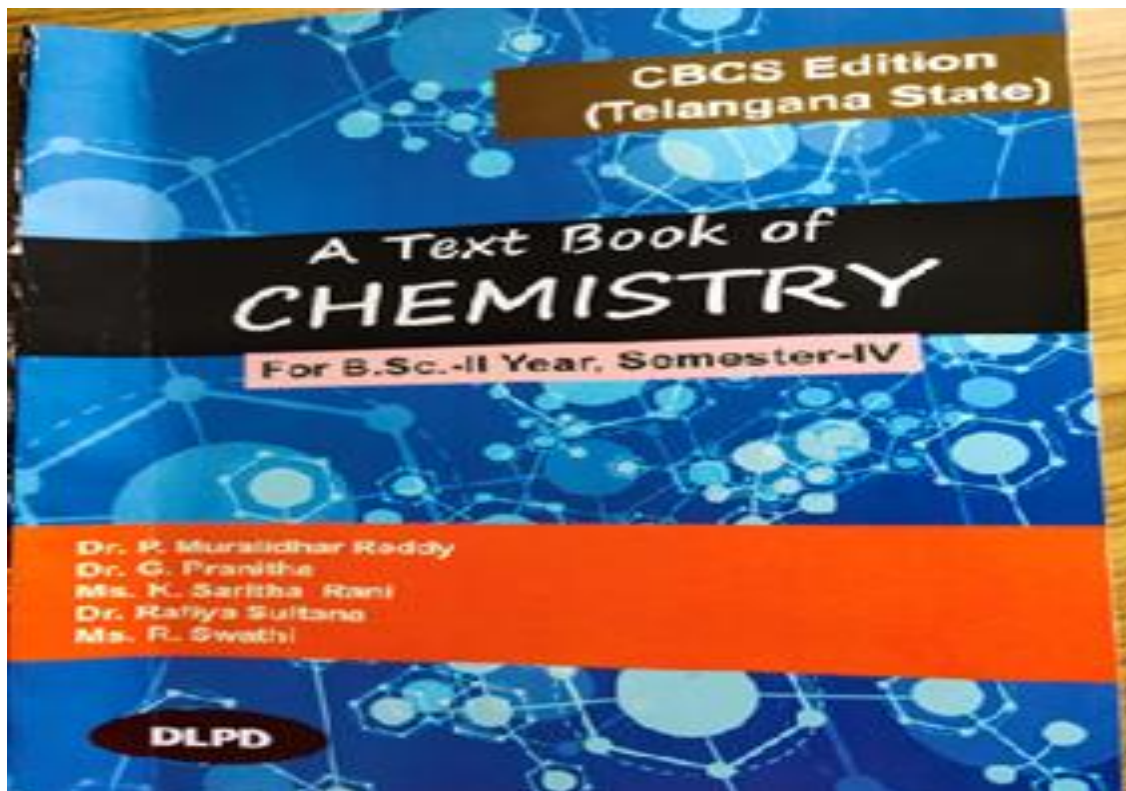
Dr. R. PRASANNA

DIVYA LAKSHMI
PUBLISHERS & DISTRIBUTORS
Lohia Nagar, Meerut-250001 (UP)



DLPD

S.No 40. K. Saritha Rani



A TEXT BOOK OF
CHEMISTRY
(For B.Sc. II Year, Semester-IV, Paper-IV)

Editor

Dr. P. Muralidhar Reddy
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Osmania University,
Hyderabad

Authors

Dr. G. Pranitha
M.Sc., Ph.D.
Assistant Professor & Head,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Smt. K. Sarita Rani
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Dr. Rafiya Sultana
M.Sc., Ph.D.
Assistant Professor,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Smt. R. Swathi
M.Sc., Ph.D.
Lecturer,
Department of Chemistry,
K.D.R Govt. Polytechnic College
Wanaparthy

DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS

LOHIA NAGAR, MEERUT

CBCS Edition (Telangana State)

A Text Book of
CHEMISTRY

For B.Sc.-II Year, Semester-III

Authors:

- **Dr. A. Hari Padmasri**
- **Dr. G. Pranitha**
- **Ms. K. Saritha Rani**
- **Dr. Rafiya Sultana**
- **Dr. B. Rajani**

DLPD

A Text Book of
CHEMISTRY
Semester -3

(For B.Sc. II Year, Semester-III, Paper-III (DSC))

Editor

Dr. A. Hari Padmasri
Associate Professor,
Department of Chemistry,
Osmania University College For Women,
Koti, Hyderabad

Authors

Dr. G. Pranitha
Assistant Professor & Head,

Smt. K. Saritha Rani
Assistant Professor,

Dr. Rafiya Sultana
Assistant Professor,

Dr. B. Rajani
Assistant Professor,

Department of Chemistry,
Government Degree College for Women (A)
Begumpet, Hyderabad

DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS
Meerut- Uttar Pradesh

Contents

UNIT-I: INORGANIC CHEMISTRY

Ch-1	Chemistry of f-Block Elements	1-15
Ch-2	Coordination Compounds-I	16-40
Ch-3	Carbonyls and Organometallic Chemistry	41-54

UNIT-II: ORGANIC CHEMISTRY

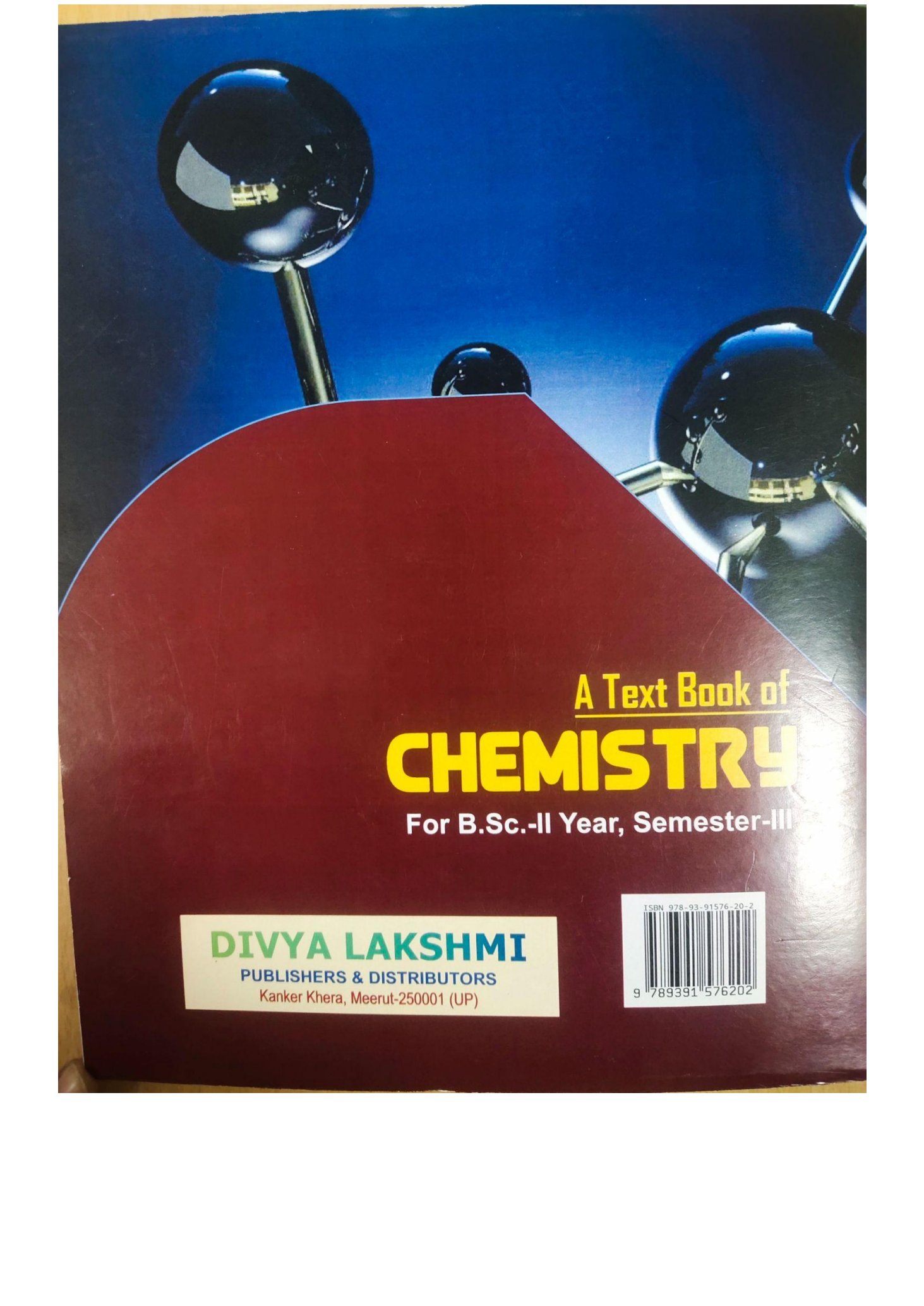
Ch-4	Carboxylic Acid and Derivatives	55-68
Ch-5	Nitrohydrocarbon	69-76
Ch-6	Amines, Cyanides and Isocyanides	77-93

UNIT-III: PHYSICAL CHEMISTRY

Ch-7	Thermodynamics-I	94-117
Ch-8	Thermodynamics-II	118-134

UNIT-IV: GENERAL CHEMISTRY

Ch-9	Evaluation of Analytical Data	135-146
Ch-10	Carbanions-I	147-159
Ch-11	Phase Rule	160-172



A Text Book of
CHEMISTRY
For B.Sc.-II Year, Semester-III

DIVYA LAKSHMI

PUBLISHERS & DISTRIBUTORS

Kanker Khera, Meerut-250001 (UP)

ISBN 978-93-91576-20-2



9 789391 576202

CBCS Edition (Telangana State)

A Text Book of
CHEMISTRY

For B.Sc.-II Year, Semester-III

Authors:

- Dr. A. Hari Padmasri
- Dr. G. Pranitha
- Ms. K. Saritha Rani
- Dr. Rafiya Sultana
- Dr. B. Rajani

DLPD

A Text Book of
CHEMISTRY
Semester -3

(For B.Sc. II Year, Semester-III, Paper-III (DSC))

Editor

Dr. A. Hari Padmasri
Associate Professor,
Department of Chemistry,
Osmania University College For Women,
Koti, Hyderabad

Authors

Dr. G. Pranitha
Assistant Professor & Head,

Smt. K. Saritha Rani
Assistant Professor,

Dr. Rafiya Sultana
Assistant Professor,

Dr. B. Rajani
Assistant Professor,

Department of Chemistry,
Government Degree College for Women (A)
Begumpet, Hyderabad

DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS
Meerut- Uttar Pradesh

Contents

UNIT-I: INORGANIC CHEMISTRY

Ch-1	Chemistry of f-Block Elements	1-15
Ch-2	Coordination Compounds-I	16-40
Ch-3	Carbonyls and Organometallic Chemistry	41-54

UNIT-II: ORGANIC CHEMISTRY

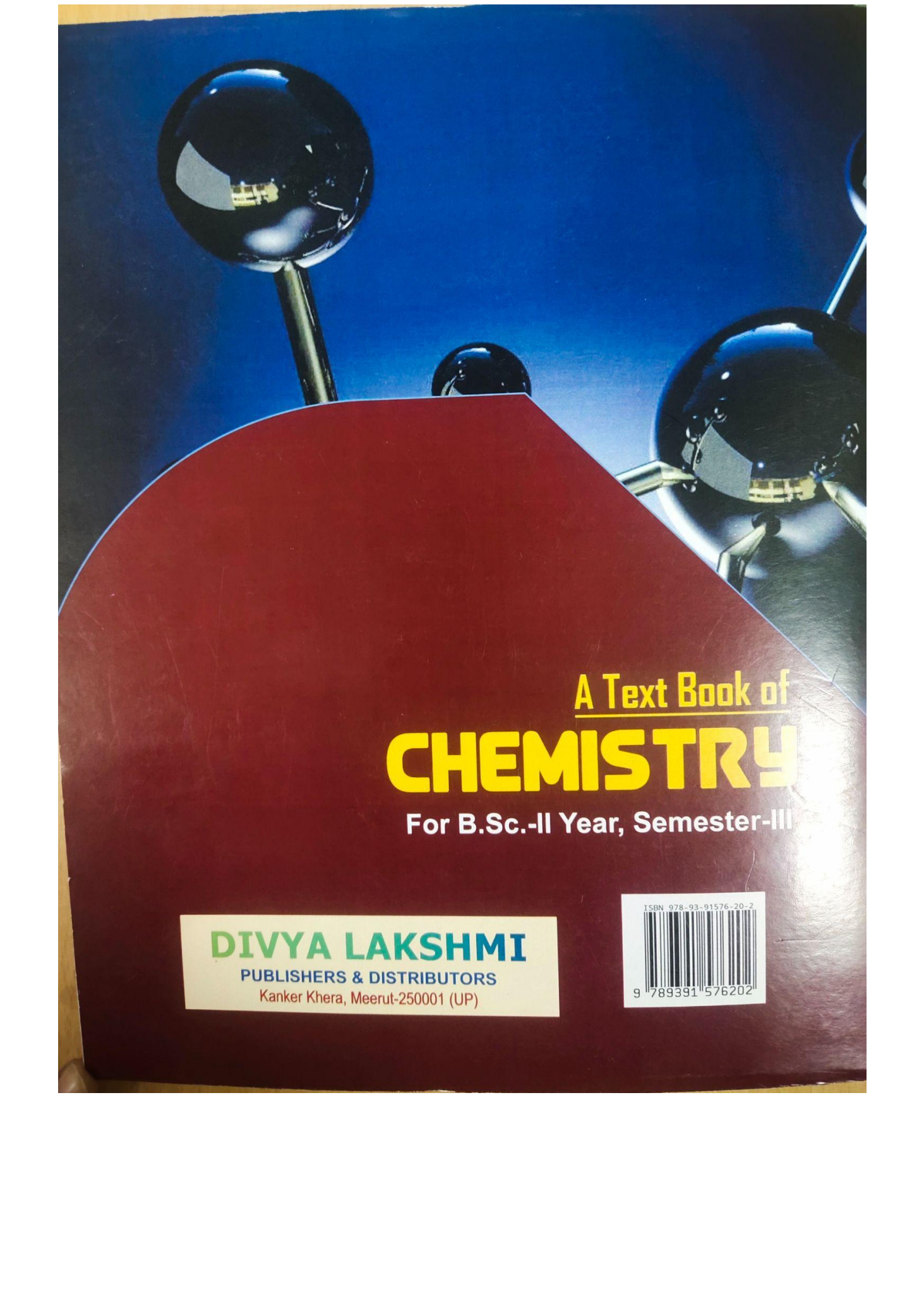
Ch-4	Carboxylic Acid and Derivatives	55-68
Ch-5	Nitrohydrocarbon	69-76
Ch-6	Amines, Cyanides and Isocyanides	77-93

UNIT-III: PHYSICAL CHEMISTRY

Ch-7	Thermodynamics-I	94-117
Ch-8	Thermodynamics-II	118-134

UNIT-IV: GENERAL CHEMISTRY

Ch-9	Evaluation of Analytical Data	135-146
Ch-10	Carbanions-I	147-159
Ch-11	Phase Rule	160-172



A Text Book of
CHEMISTRY
For B.Sc.-II Year, Semester-III

DIVYA LAKSHMI

PUBLISHERS & DISTRIBUTORS

Kanker Khera, Meerut-250001 (UP)

ISBN 978-93-91576-20-2



9 789391 576202

CBCS Edition (Telangana State)

A Text Book of
CHEMISTRY

For B.Sc.-II Year, Semester-III

Authors:

- Dr. A. Hari Padmasri
- Dr. G. Pranitha
- Ms. K. Saritha Rani
- Dr. Rafiya Sultana
- Dr. B. Rajani

DLPD

A Text Book of
CHEMISTRY
Semester -3

(For B.Sc. II Year, Semester-III, Paper-III (DSC))

Editor

Dr. A. Hari Padmasri
Associate Professor,
Department of Chemistry,
Osmania University College For Women,
Koti, Hyderabad

Authors

Dr. G. Pranitha
Assistant Professor & Head,

Smt. K. Saritha Rani
Assistant Professor,

Dr. Rafiya Sultana
Assistant Professor,

Dr. B. Rajani
Assistant Professor,

Department of Chemistry,
Government Degree College for Women (A)
Begumpet, Hyderabad

DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS
Meerut- Uttar Pradesh

Contents

UNIT-I: INORGANIC CHEMISTRY

Ch-1	Chemistry of f-Block Elements	1-15
Ch-2	Coordination Compounds-I	16-40
Ch-3	Carbonyls and Organometallic Chemistry	41-54

UNIT-II: ORGANIC CHEMISTRY

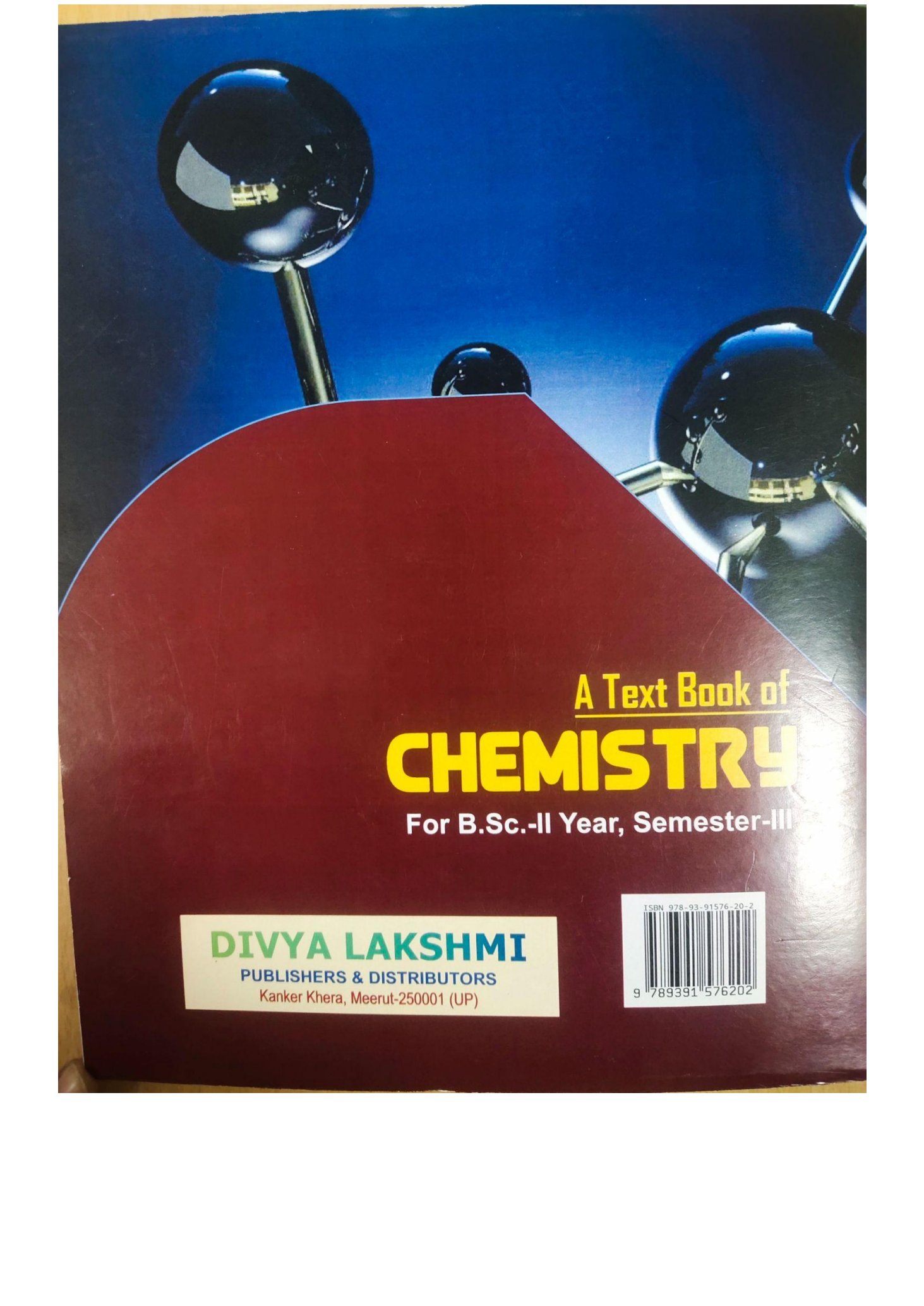
Ch-4	Carboxylic Acid and Derivatives	55-68
Ch-5	Nitrohydrocarbon	69-76
Ch-6	Amines, Cyanides and Isocyanides	77-93

UNIT-III: PHYSICAL CHEMISTRY

Ch-7	Thermodynamics-I	94-117
Ch-8	Thermodynamics-II	118-134

UNIT-IV: GENERAL CHEMISTRY

Ch-9	Evaluation of Analytical Data	135-146
Ch-10	Carbanions-I	147-159
Ch-11	Phase Rule	160-172



A Text Book of
CHEMISTRY
For B.Sc.-II Year, Semester-III

DIVYA LAKSHMI

PUBLISHERS & DISTRIBUTORS

Kanker Khera, Meerut-250001 (UP)

ISBN 978-93-91576-20-2



9 789391 576202

CBCS Edition (Telangana State)

A Text Book of
CHEMISTRY

For B.Sc.-II Year, Semester-III

Authors:

- Dr. A. Hari Padmasri
- Dr. G. Pranitha
- Ms. K. Saritha Rani
- Dr. Rafiya Sultana
- Dr. B. Rajani

DLPD

A Text Book of
CHEMISTRY
Semester -3

(For B.Sc. II Year, Semester-III, Paper-III (DSC))

Editor

Dr. A. Hari Padmasri
Associate Professor,
Department of Chemistry,
Osmania University College For Women,
Koti, Hyderabad

Authors

Dr. G. Pranitha
Assistant Professor & Head,

Smt. K. Saritha Rani
Assistant Professor,

Dr. Rafiya Sultana
Assistant Professor,

Dr. B. Rajani
Assistant Professor,

Department of Chemistry,
Government Degree College for Women (A)
Begumpet, Hyderabad

DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS
Meerut- Uttar Pradesh

Contents

UNIT-I: INORGANIC CHEMISTRY

Ch-1	Chemistry of f-Block Elements	1-15
Ch-2	Coordination Compounds-I	16-40
Ch-3	Carbonyls and Organometallic Chemistry	41-54

UNIT-II: ORGANIC CHEMISTRY

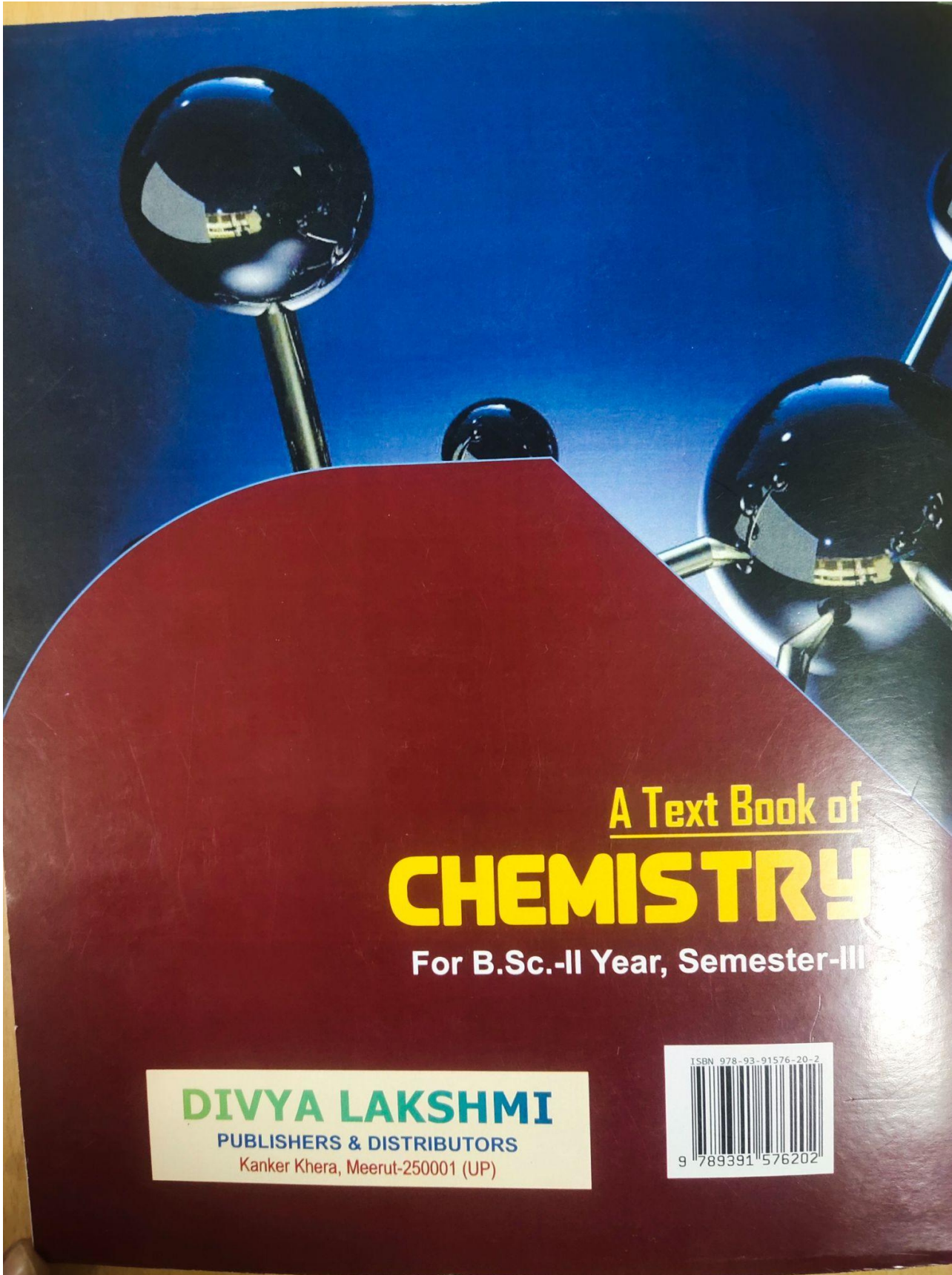
Ch-4	Carboxylic Acid and Derivatives	55-68
Ch-5	Nitrohydrocarbon	69-76
Ch-6	Amines, Cyanides and Isocyanides	77-93

UNIT-III: PHYSICAL CHEMISTRY

Ch-7	Thermodynamics-I	94-117
Ch-8	Thermodynamics-II	118-134

UNIT-IV: GENERAL CHEMISTRY

Ch-9	Evaluation of Analytical Data	135-146
Ch-10	Carbanions-I	147-159
Ch-11	Phase Rule	160-172



A Text Book of
CHEMISTRY
For B.Sc.-II Year, Semester-III

DIVYA LAKSHMI

PUBLISHERS & DISTRIBUTORS

Kanker Khera, Meerut-250001 (UP)

ISBN 978-93-91576-20-2



9 789391 576202

45. Dr.G.Narsimulu



Dr. G. Narsimulu

**ANDHRA PRADESH COLLEGE
SERVICE COMMISSION**
(Organization and Service)

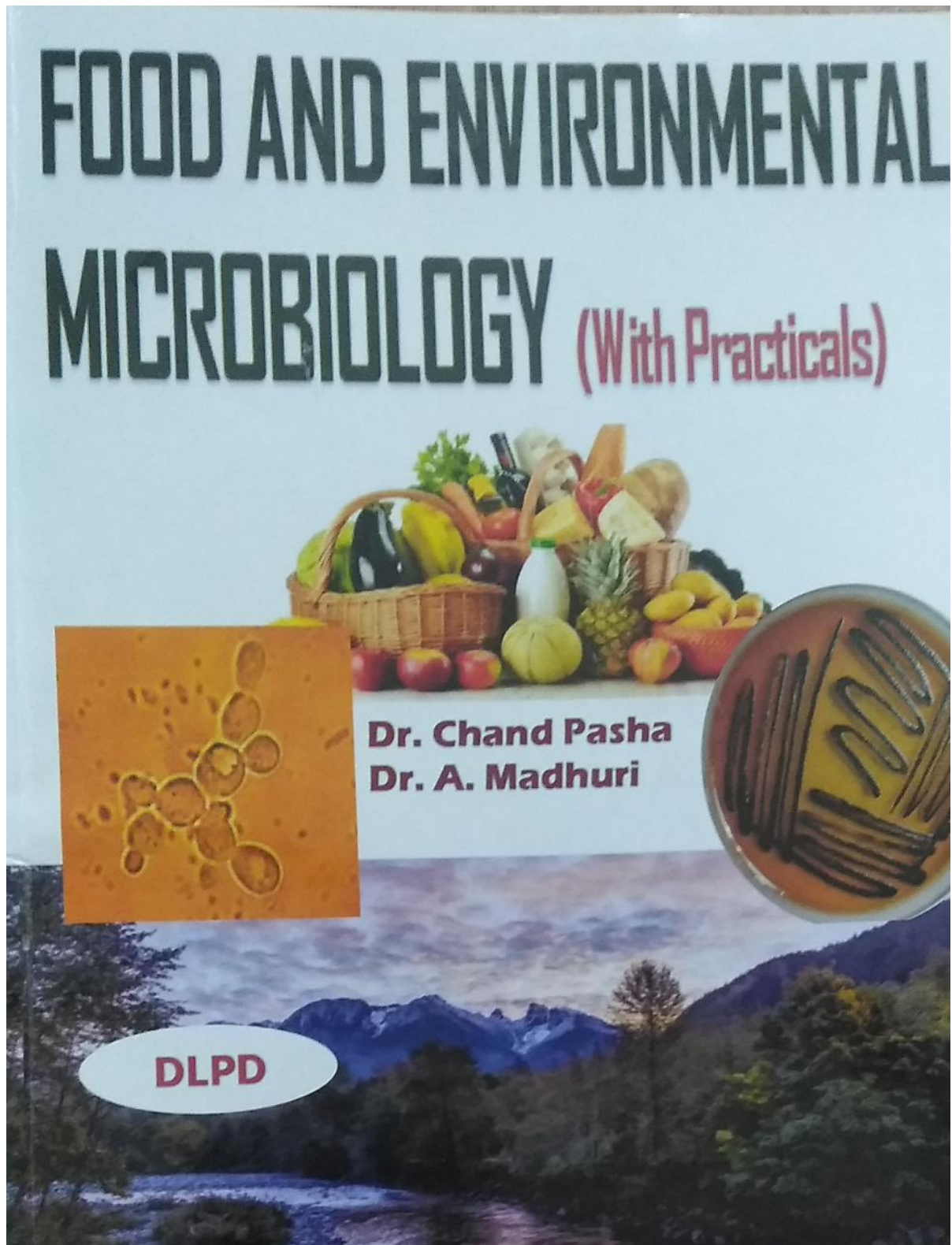
ANDHRA PRADESH COLLEGE SERVICE COMMISSION
(Organization and Service)

DIVYA LAKSHMI
PUBLISHERS & DISTRIBUTORS
Lohia Nagar, Meerut-250001 (UP)



DLPD

Dr. G. Narsimulu



FOOD AND ENVIRONMENTAL MICROBIOLOGY

With Practicals

For B.Sc. (Microbiology) II Year, Semester-III DSC-4

Editor

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology
Nizam College (Autonomous)
Osmania University,
Hyderabad

Authors

Dr. Chand Pasha

Assistant Professor & Head
Department of Microbiology
Nizam College (Autonomous)
Osmania University, Hyderabad

Dr. A. Madhuri

Assistant Professor & Head
Department of Microbiology
Government Degree College for Women (A)
Begumpet, Hyderabad

DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS
Meerut-UP

Other useful books in lifescience

1. **General Microbiology with Practicals**
(Dr. Chand Pasha, Dr. A. Madhuri & I. Marian Rajini)
2. **Microbial Diversity with Practicals**
(Dr. Chand Pasha, Dr. A. Madhuri)
3. **Food and Environmental Microbiology with Practicals**
(Dr. Chand Pasha, Dr. A. Madhuri)
4. **Medical Microbiology and Immunology with Practicals**
(Dr. Chand Pasha & Others)
5. **Bioinformatics and Biostatistics with Practicals**
(Dr. Chand Pasha, Ms. Swathi & Dr. Anju Rajan)
6. **A Text Book of Molecular Biology with Practicals**
(Dr. Chand Pasha)
7. **Food Microbiology**
(Dr. Chand Pasha & Others)
8. **A Text Book of Hematology**
(Dr. Chand Pasha & Dr. P. Muthenna)
9. **Microbiology and Human Health**
(Dr. Chand Pasha, Dr. A. Madhuri)
10. **Biofertilizers and Organic Farming**
(E.M. Sunitha & Dr. Ravi Babu)
11. **Mushroom Culture Technology**
(E.M. Sunitha & Dr. A. Pramila Devi)
12. **Hospital Waste Management**
(Dr. Chand Pasha, Dr. A. Madhuri & I. Marian Rajini)
13. **A Text Book of Environmental Science**
(Dr. Om Kumari)
14. **Economic Botany**
(Dr. Saidulu Chilumulu & Others)

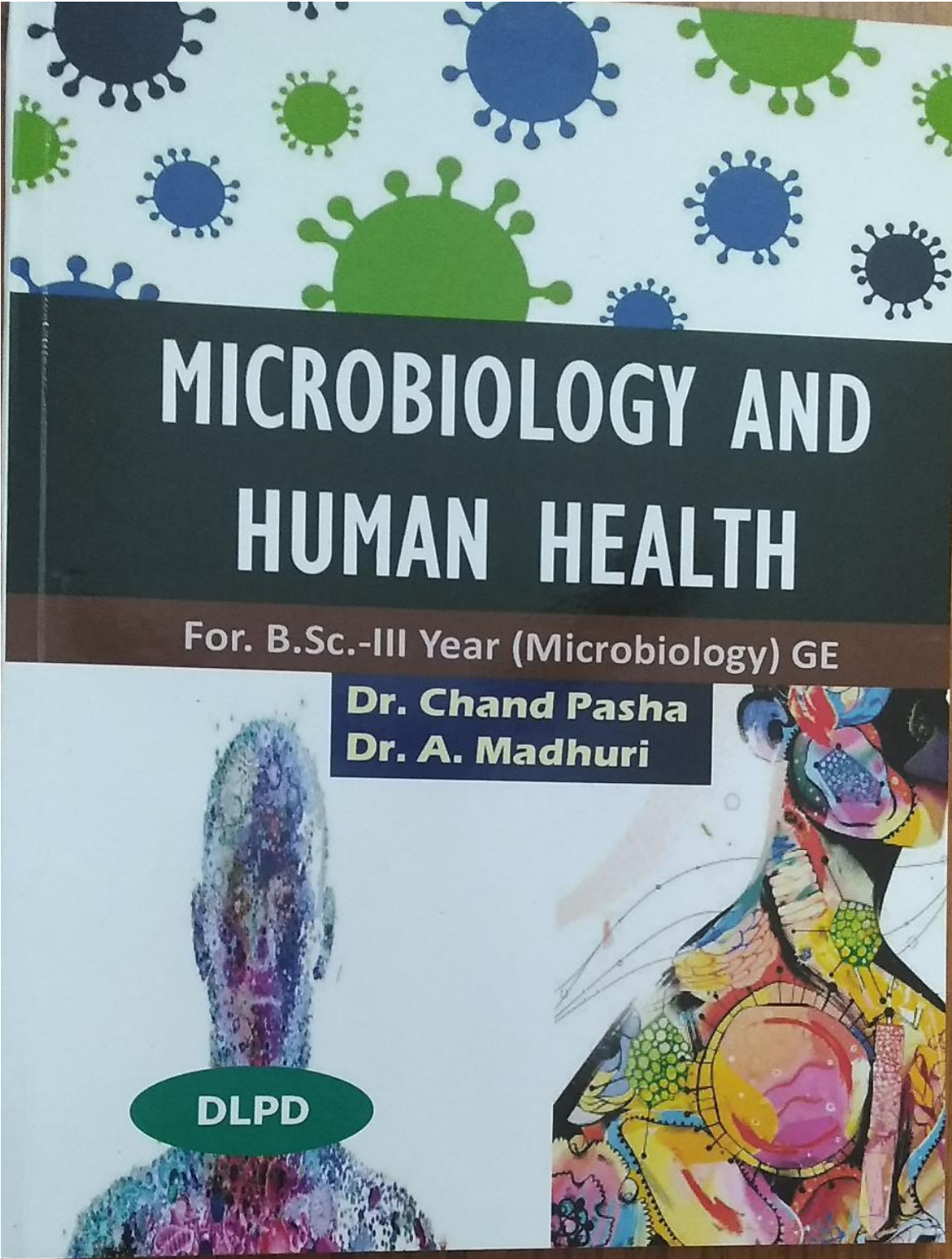
Available on

amazon  flipkart  .com

DIVYA LAKSHMI
PUBLISHERS & DISTRIBUTORS

Lohia Nagar, Meerut-25001 (UP)



The book cover features a light blue background with various colored virus-like particles (black, blue, green) at the top. A dark grey banner contains the title in white. Below the banner, a brown strip contains the course information. The bottom half is split into two images: a microscopic view of a human head on the left and a colorful anatomical diagram of the human torso on the right. A green oval with the text 'DLPD' is overlaid on the bottom left image.

MICROBIOLOGY AND HUMAN HEALTH

For. B.Sc.-III Year (Microbiology) GE

Dr. Chand Pasha
Dr. A. Madhuri

DLPD

MICROBIOLOGY AND HUMAN HEALTH

For B.Sc. (Microbiology) III Year, Semester-V Generic Elective

Editor

Dr. Chand Pasha
Assistant Professor & Head
Department of Microbiology
Nizam College (Autonomous)
Osmania University,
Hyderabad

Authors

Dr. Chand Pasha
Assistant Professor & Head
Department of Microbiology
Nizam College (Autonomous)
Osmania University, Hyderabad

Dr. A. Madhuri
Assistant Professor & Head
Department of Microbiology
Government Degree College for Women (A)
Begumpet, Hyderabad

DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS
Meerut-UP

Our useful books in Life Sciences

- 1. General Microbiology with Practicals**
(Dr. Chand Pasha, Dr. A. Madhuri & I. Marian Rajini)
- 2. Microbial Diversity with Practicals**
(Dr. Chand Pasha, Dr. A. Madhuri)
- 3. Food and Environmental Microbiology with Practicals**
(Dr. Chand Pasha, Dr. A. Madhuri)
- 4. Medical Microbiology and Immunology with Practicals**
(Dr. Chand Pasha & Others)
- 5. Bioinformatics and Biostatistics with Practicals**
(Dr. Chand Pasha, Ms. Swathi & Dr. Anju Rajan)
- 6. A Text Book of Molecular Biology with Practicals**
(Dr. Chand Pasha)
- 7. Food Microbiology**
(Dr. Chand Pasha & Others)
- 8. A Text Book of Hematology**
(Dr. Chand Pasha & Dr. P. Muthenna)
- 9. Microbiology and Human Health**
(Dr. Chand Pasha, Dr. A. Madhuri)
- 10. Biofertilizers and Organic Farming**
(E.M. Sunitha & Dr. Ravi Babu)
- 11. Mushroom Culture Technology**
(E.M. Sunitha & Dr. A. Pramila Devi)
- 12. Hospital Waste Management**
(Dr. Chand Pasha, Dr. A. Madhuri & I. Marian Rajini)
- 13. A Text Book of Environmental Science**
(Dr. Om Kumari)
- 14. Economic Botany**
(Dr. Saidulu Chilumulu & Others)



DIVYA LAKSHMI
PUBLISHERS & DISTRIBUTORS
Lohia Nagar, Meerut-250001 (UP)

