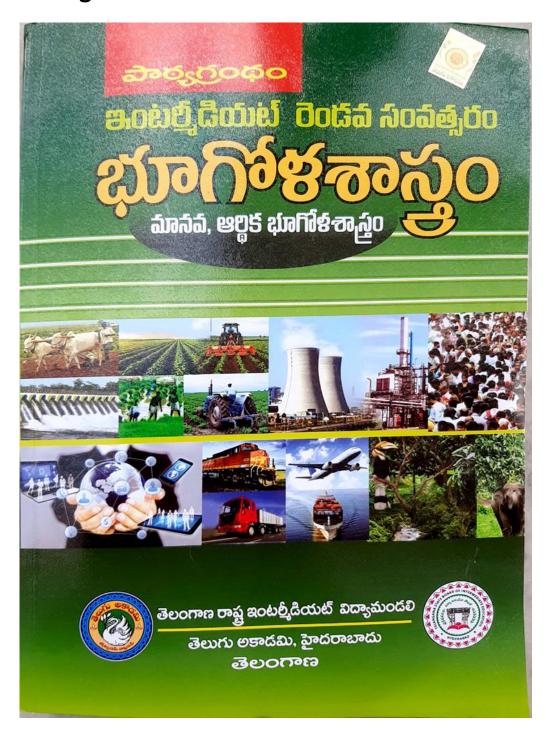
# Books

2021-2022

### S.No 01 Dr. Vigneshwar Mekha



# **ఇంట<u>ల్</u>కిడియట్** రెండవ సంవత్సరం

# ಭಾಗಾಭಾಷ್ಟ್ರಂ

# **మానవ, ఆర్థిక** భూగోళశాస్త్రం <sup>మలయు</sup> ప్రయోగదీపిక

#### **රස්**ගාෂ්භා

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

దాగ లీ. ప్రతిజ్ఞ అసిస్టెంట్ ప్రొఫెసర్, జియ్హోఇన్ఫర్మాటిక్స్ విభాగం తెలంగాణ విశ్వవిద్యాలయం డిచ్పల్లి, నిజామాబాద్, తెలంగాణరాష్టం

దాు పారుపల్లి ఆంజనేయులు సీనియర్ రీసర్బ్ అసోసియేట్ సెంటర్ ఫర్ ఎకనామిక్స్ & సోషల్ స్టడీస్ (సెస్) హైదరాబాద్, తెలంగాణరాష్ట్రం దాబ ఆర్. సుధాకర్గౌడ్ అసిస్టెంట్ ట్రొఫెసర్, జియోఇన్ఫర్మాటిక్స్ విభాగం తెలంగాణ విశ్వవిద్యాలయం డిచ్పల్లి, నిజామాబాద్, తెలంగాణరాష్టం

దాు ఆనంద్ గోపగాని అసిస్టెంట్ (ప్రొఫెసర్ (సి) భూగోళశాస్త్ర విభాగం, ఉస్మానియా విశ్వవిద్యాలయం హైదరాబాద్, తెలంగాణరాష్ట్రం

దా। విఘ్నేశ్వర్ మేక అసిస్టెంట్ ట్రొఫెసర్ (సి) భూగోళశాస్త్ర విభాగం, ప్రభుత్వ సిటీ కళాశాల హైదరాబాద్, తెలంగాణరాష్ట్రం

#### సంపాదకులు

ఆచార్య సి. వేణుగోపాల్**రావు** ప్రొఫెసర్, (రి<u>టెర్ట్)</u> భూగోళశాస్త్ర విభాగం, ఉస్మానియా విశ్వవిద్యాలయం హైదరాబాద్, తెలంగాణరాష్ట్రం ఆచార్య పి. పద్మనాభరావు అసోసియేట్ ట్రొఫెసర్ (రిటైర్డ్) సెంటర్**ఫర్ ఎకనామిక్స్ & సోషల్ స్టడీస్ (సెస్)** బేగంపేట్, హైదరాబాద్, తెలంగాణరాష్ట్రం



తెలంగాణరాష్ట్ర ఇంటర్మీడీయట్ విద్యామందలి తెలుగు అకాదమి, 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

#### © TELUGU AKADEMI 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.

Automatic resource success of the same accommodate

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.



తెలుగు అకాడమి వివిధ విశ్వవిద్యాలయాలు, కళాశాలలోని విశేషబోధనానుభవంగల ఆచార్యులు, విషయ్ నిపుణులతో పాఠ్యపుస్తకాలు తయారు చేయిస్తున్న విషయం అందరికీ తెలిసిందే. రాత్రప్రతులను వివిధ దశల్లో సంపాదకమండరి, విషయనిపుణులు క్షుణ్ణంగా పరిశీరించిన అనంతరమే ప్రచురించడం జరుగుతుంది. ఆ విధంగా తెలుగు అకాడమి ఉన్నత స్థ్రమాణాలతో, నాణ్యతగల పాఠ్యపుస్తకాలను విద్యార్థిలోకానికి అందచేయడంలో ప్రత్యేక శ్రద్ధ తీసుకొంటుంది.

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

గతంలో కొందరు ప్రయివేట్ ముద్రాపకులు ఇంటర్మీడియట్ కోర్పులకు సంబంధించిన పుస్తకాలను చూడగానే తెలుగు అకాడమీ పుస్తకాలనే భ్రమ కరిగించే రీతిలో నకిలీ పుస్తకాలు తయారుచేసి మార్కెట్లో అమ్మకాలు సాగించారు. ఈ సందర్భంగా పాఠ్య పుస్తకాలను కొనుగోలు చేసేటప్పడు నాణ్యతలోపాటు ముఖపుత్రం మీద తెలుగు అకాడమి హోలోగ్రామ్న 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 విషయపరంగా పుస్తకాలను సమీక్ష చేయించి పరిష్కృత ప్రతులుగా ప్రచురిస్తుంది. కాబట్టి పొరపాటున నకిలీ పుస్తకాలు కొంటే విద్యార్థులకు నష్టం కలిగే అవకాశం ఉంది. విద్యార్థులు, అధ్యాపకులు ఈ విషయాన్ని గమనించి నహకరించవలసిందిగా కోరుతున్నాం.

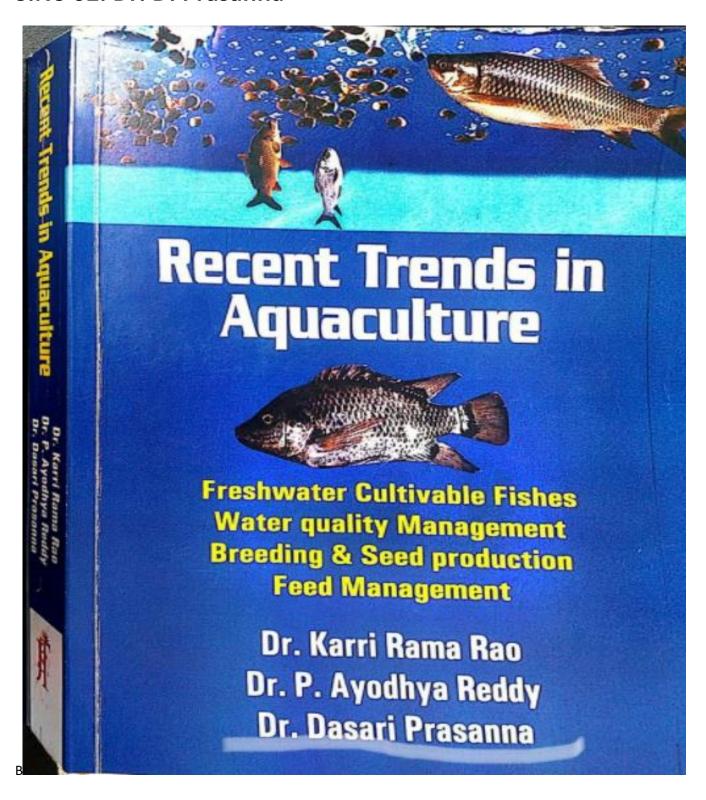
> సంచాలకులు මිවාරා මහයකා



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



### S.No 02. Dr. D. Prasanna



The concept of recent wends 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 agraculture 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 (Yuvatarangam), 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 MANATV.

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 200 logy. 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 symposis 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 autonoumous colleges in Telanagana. 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 Collegiste Education, Hyderabad, Telangana state.

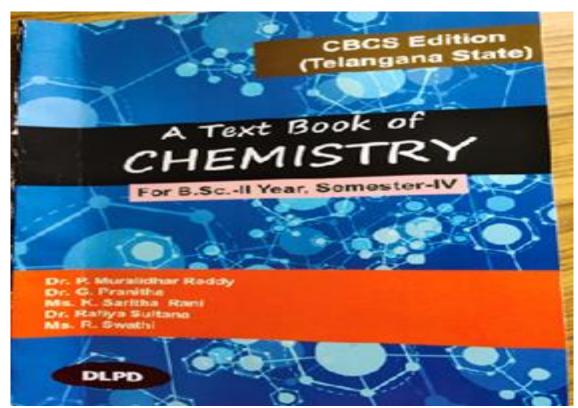


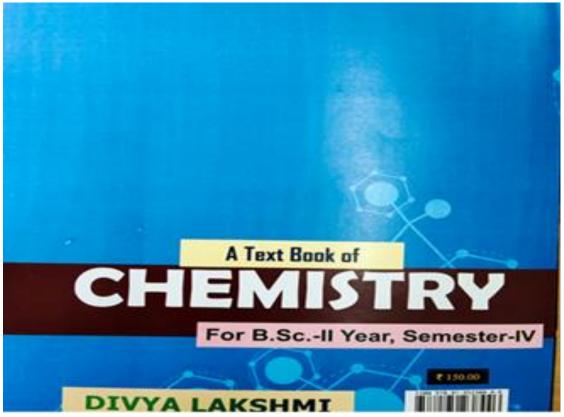
8, Gali No. 17, Vijay Park Delhi-110053 Email: |tspublications@gmail.com



₹ 650/-

### S.No 03. 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,
Ourania University,
Hyderabad

#### Authors

Dr. G. Pranitha

M. Pa. D

Assistant Professor & Head.

Department of Chemistry.

Govt. Degree College for Women (A)

Begunpet, Hyderabad

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

Smt. K. Sarita Rani

Assistant Professor.

Department of Chemistry.

Govt. Degree College for Women (A)

Begumpet, Hyderahad

Smt. R. Swathi

M.Sc. (Ph.D)

Lecturer.

Department of Chemistry.

K.D.R Govt. Polytechnic College

Wanaparthy

**DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS** 

LOUVE NAGAR MEERUT

#### S.No 04. 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, TSCHE and RUSA in the year 2019 and also Conducted National Webinar on "Determinants of Indian Foreign Folicy" 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 invarious associations. She has been member of Board of Studies in the Dept. of Political Science, Csmania 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.

Emerging Challenges

SUNRISE PUBLICATIONS

E-mail: sunrisepublications26@gmail.com

B-7 Saraswati Complex

Delhi - 110092

Ph.: 9910047468

Subhast Chowk, Laxmi Nagar

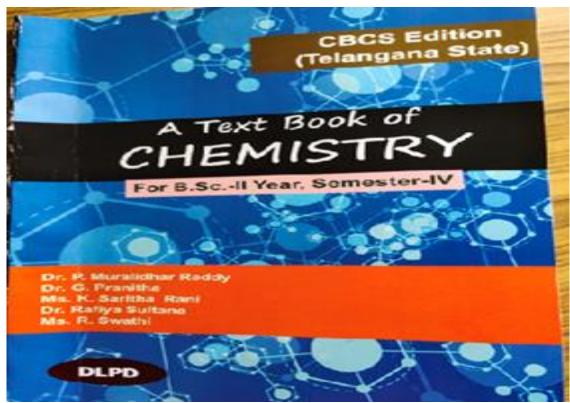
Higher Education in India **Emerging** Challenges

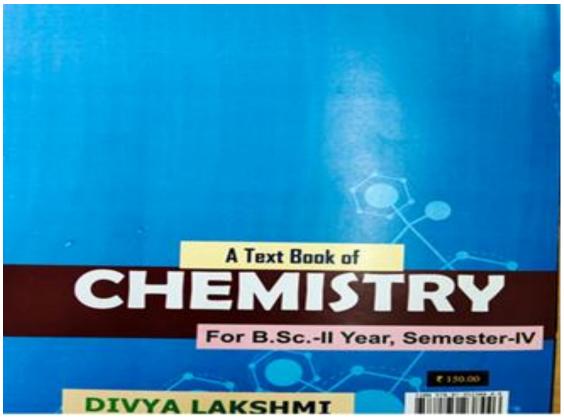
Dr. Kandi Kamala

Higher education in India recently ritchforked 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 'ideclogy' a basic premise of the Yashpal Committee report that says "sevitalizing the idea of university in an entirely new egalitarian context is the need of the hour" Overall, the book is a highly usefu compilation of valuable information, but somewhat flawed by a limiting vision The chapters deal with structural issues, access and equity concerns, private high er 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 straining programmes attached to universities, several excellent higher education research centres, and a general understanding that policy and management of higher educa-tion is a matter of considerable national importance.

### S.No 05. 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,
Ourania University,
Hyderabad

#### Authors

Dr. G. Pranitha

M.S. Ph.D

Assistant Professor & Head.

Department of Chemistry.

Govt. Degree College for Women (A)

Begunpet, Hyderabad

Dr. Rafiya Sultana
M.St., PAD
Assistant Professor,
Department of Chemistry,
Oost. Degree College for Women (A)
Begumpet, Hyderabad

Smt. K. Sarita Rani

J.S., IPA Di

Assistant Professor.

Department of Chemistry.

Govt. Degree College for Women (A)

Begumpet, Hyderahad

Smt. R. Swathi

M.Sc. 174 Di

Lecturer.

Department of Chemistry.

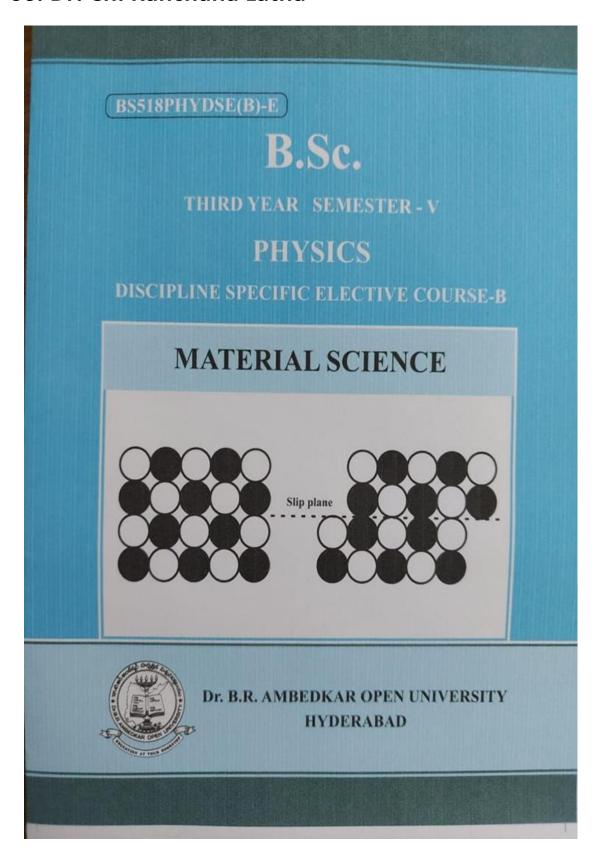
K.D.R Govt. Polytechnic College

Wanaparthy

**DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS** 

LOUVE NACED MEERUT

#### S.No 06. 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

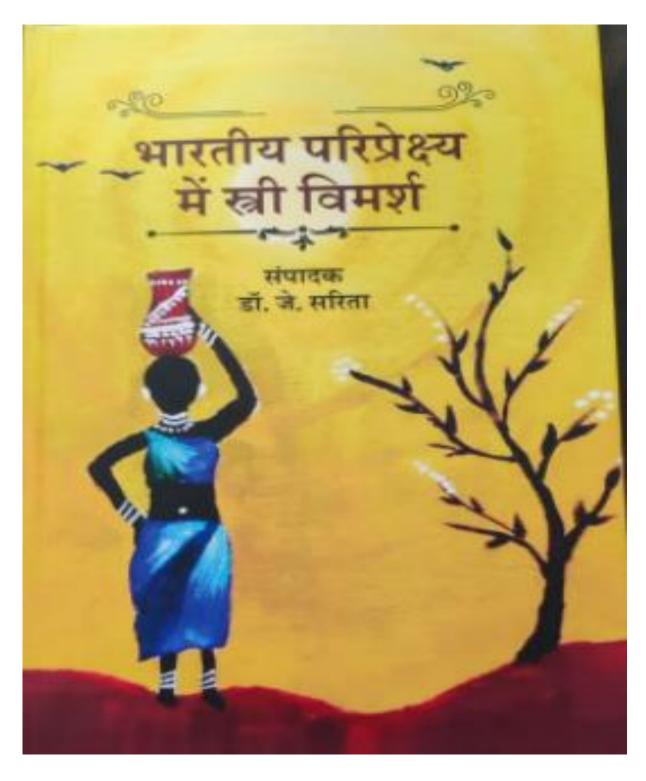
Copy right © 20014 Dr. B.R.Ambedkar Open University, Hyderabad.

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

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 07. 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

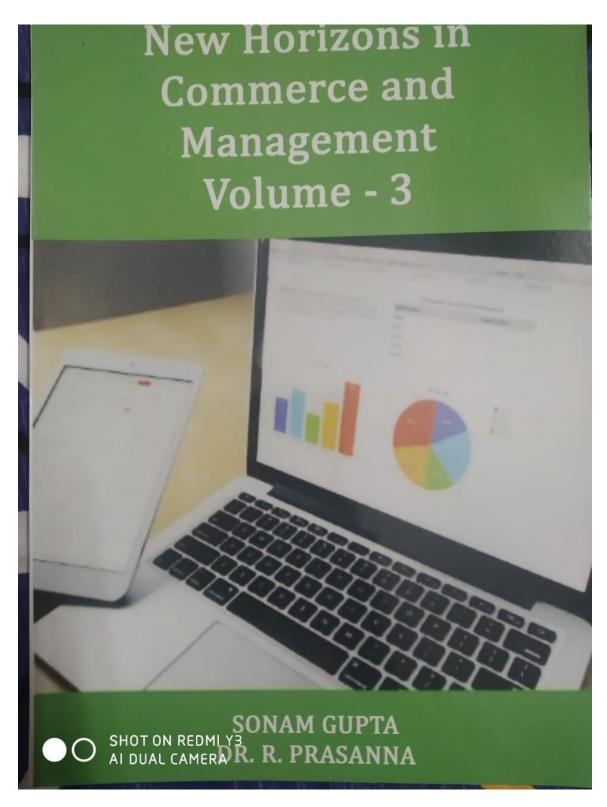
प्रथम संस्करण - 05-03-2021

मुद्रक : SKV Colour Stream, Hyderabad

मूल्य - 280

आवरण चित : पूजा गौतम, कलकत्ता

### S.No 08. Dr. R. Prasanna





SHOT ON REDMIN

# NEW HORIZONS IN COMMERCE & MANAGEMENT

Volume -3

Ms.Sonam Gupta Dr. Prasanna

#### 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

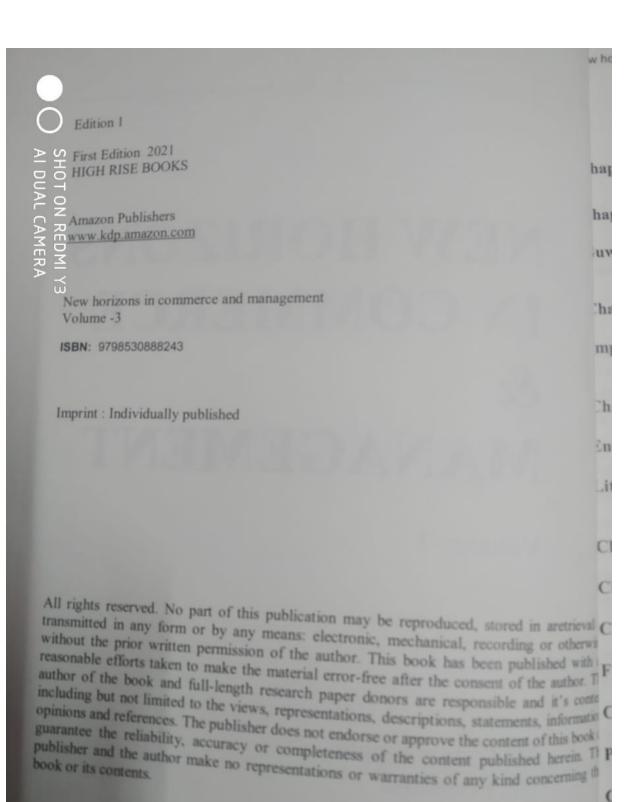
Ms. Gupta is also a Professional counsellor & an NLP Practitioner.



#### 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.





#### S.No 09. 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. K. Frasan

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 CO



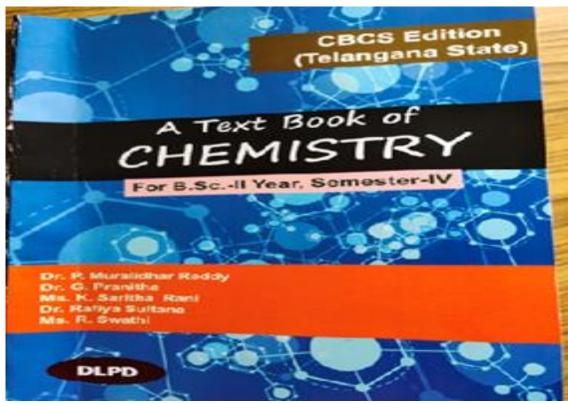
Dr. R. PRASANNA

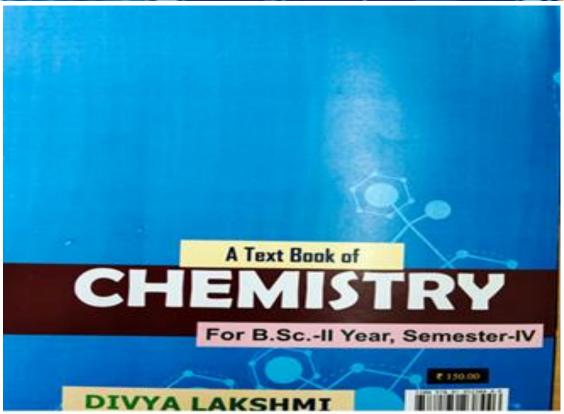
DIVYA LAKSHMI
PUBLISHERS & DISTRIBUTORS
Lohia Nagar, Meerut-250001 (UP)





### S.No 10. 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,
Oursania University,
Hyderabad

#### Authors

Dr. G. Pranitha

M.Sc. Ph.D

Assistant Professor & Head.

Department of Chemistry.

Govt. Degree College for Women (A)

Begannet, Hydersbad

Dr. Rafiya Sultana
MAL. PAD
Assistant Professor,
Department of Chemistry,
Govt. Degree College for Women (A)
Begumpet, Hyderabad

Smt. K. Sarita Rani

Assistant Professor.

Department of Chemistry.

Govt. Degree College for Women (A)

Begumpet, Hyderahad

Smt. R. Swathi

M.Sc. 174 III

Lecturer.

Department of Chemistry.

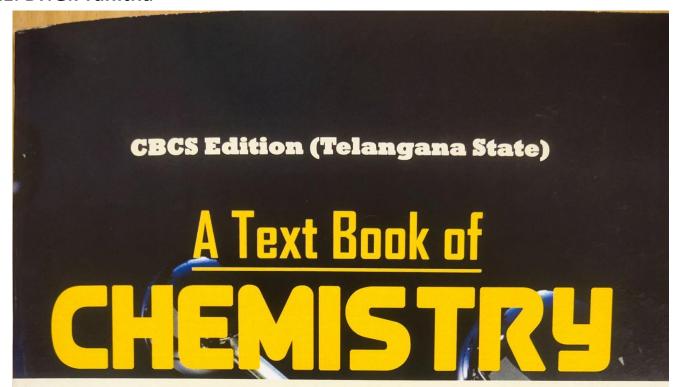
K.D.R Govt. Polytechnic College

Wanaparthy

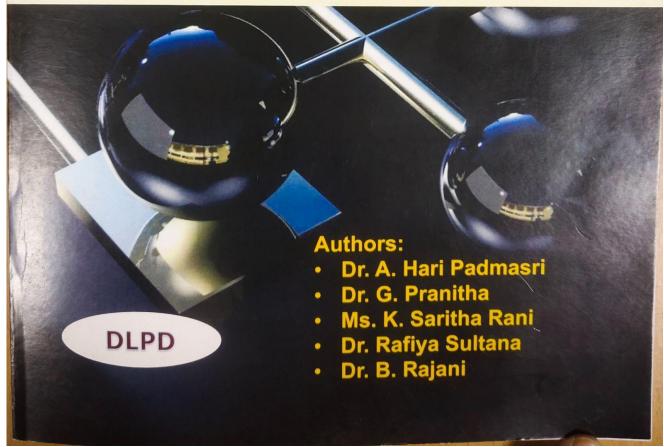
**DIVYA LAKSHMI PUBLISHERS & DISTRIBUTORS** 

LOUVE NAGAD, MEERUT

#### 11. Dr.G.Pranitha



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



# 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 UniversityCollege 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 Professsor,

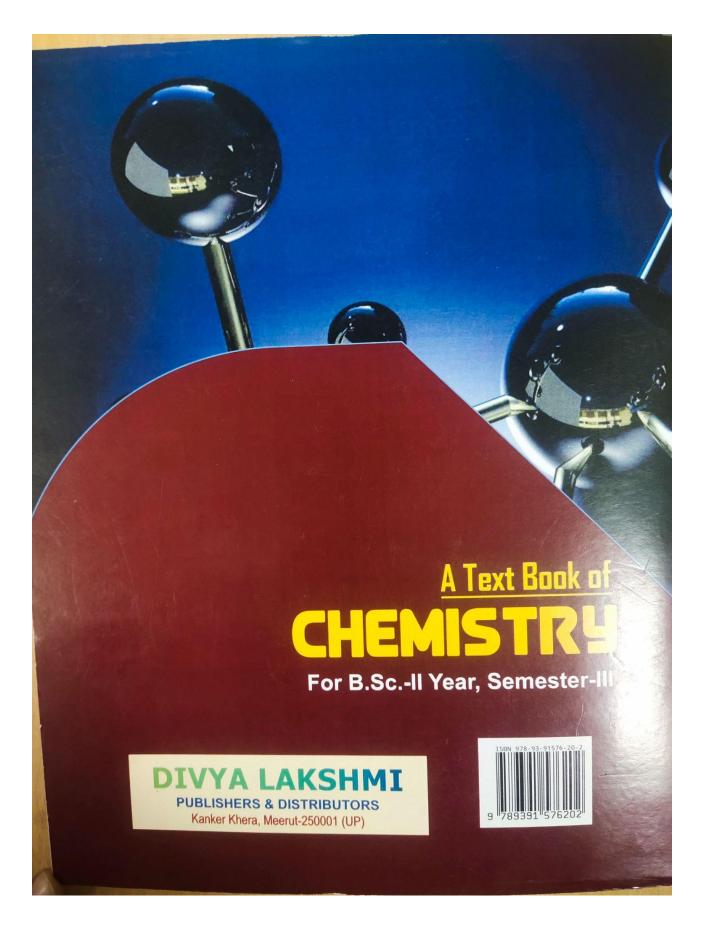
Department of Chemistry, Government Degree College for Women (A) Begumpet, Hyderabald

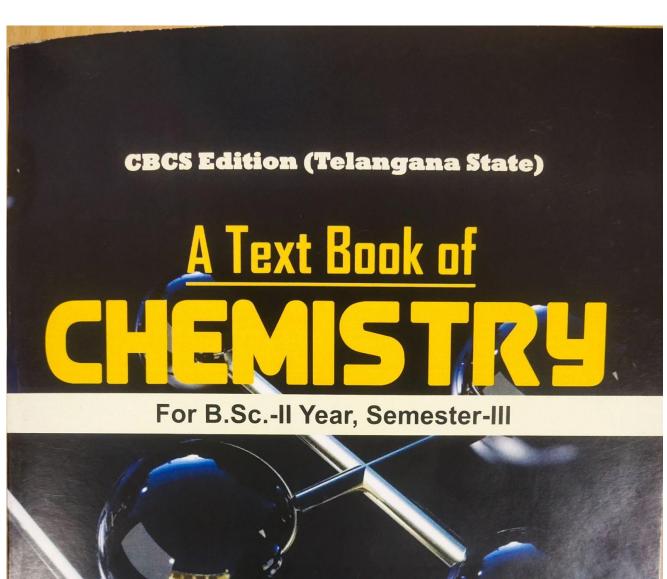
**DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS** 

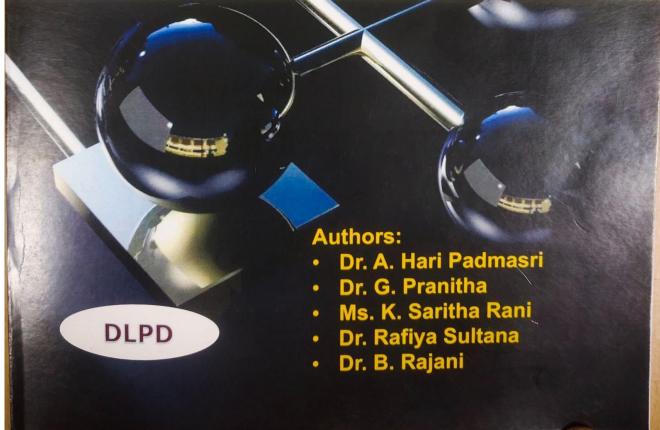
**Meerut- Uttar Pradesh** 

# Contents

12 All	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		
22.77.1974	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	160 173		







# 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 UniversityCollege 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 Professsor,

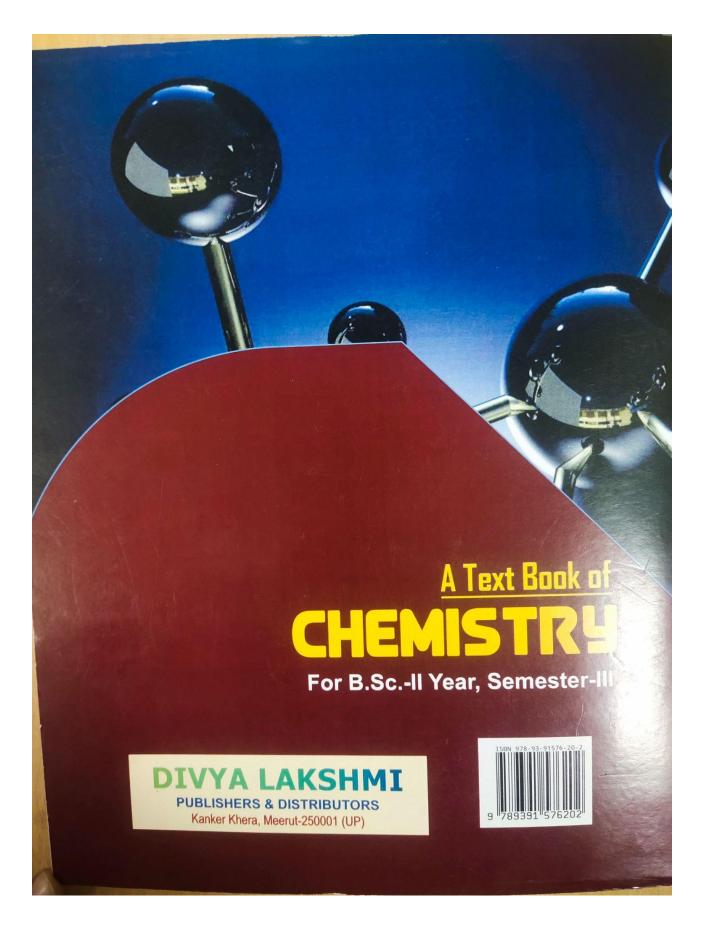
Department of Chemistry, Government Degree College for Women (A) Begumpet, Hyderabald

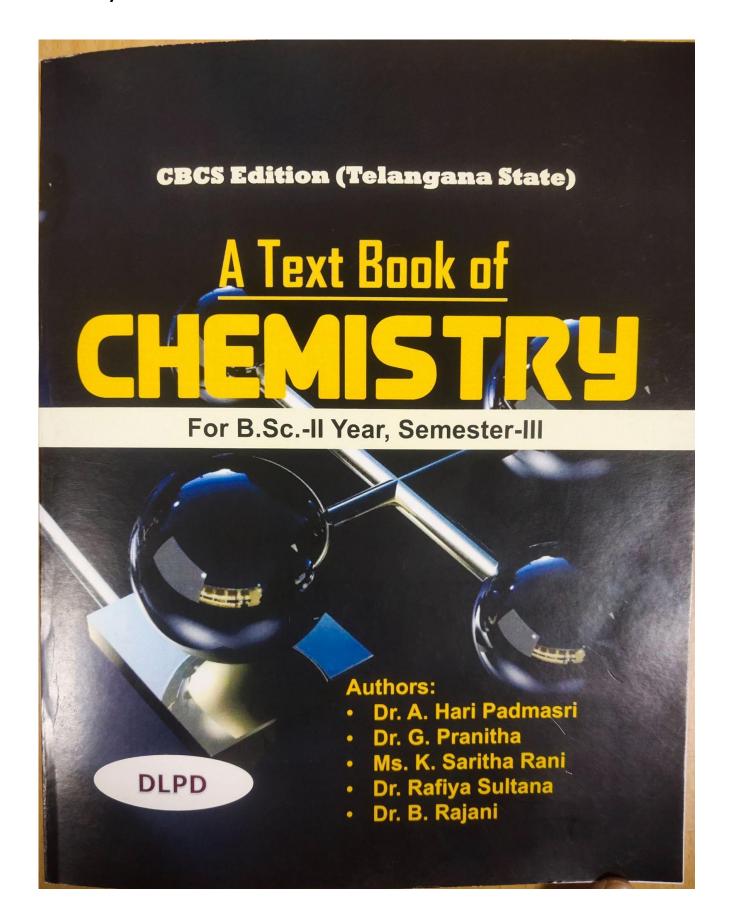
**DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS** 

**Meerut- Uttar Pradesh** 

# Contents

12 All	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		
22.77.1974	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	160 173		





# 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 UniversityCollege 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 Professsor,

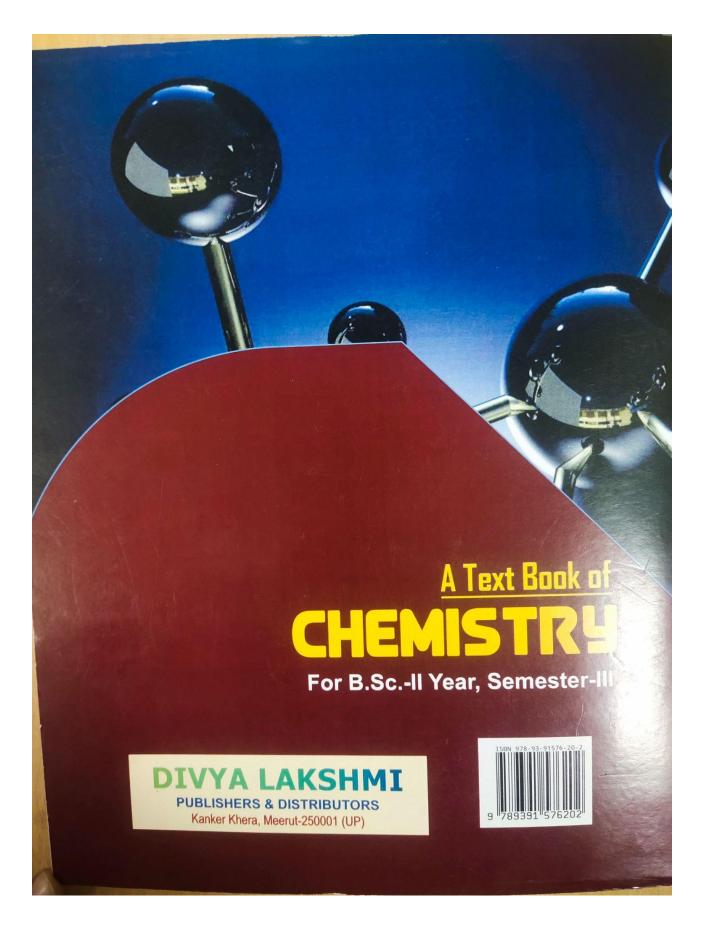
Department of Chemistry, Government Degree College for Women (A) Begumpet, Hyderabald

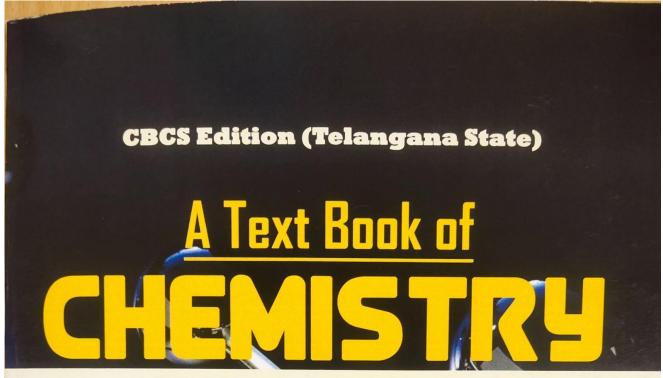
**DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS** 

**Meerut- Uttar Pradesh** 

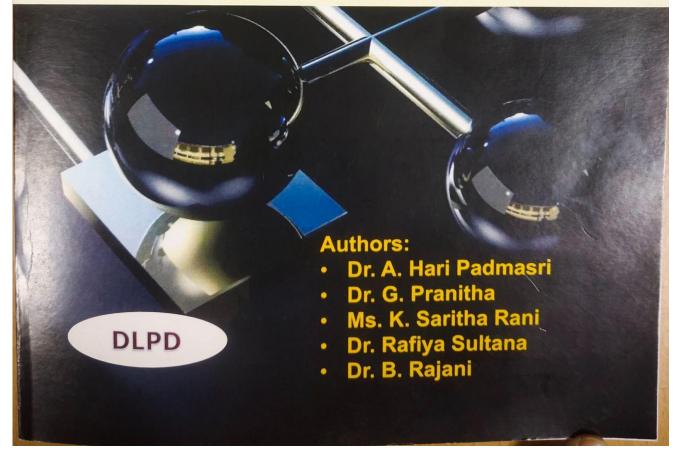
# Contents

12 All	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		
22.77.1974	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	160 173		





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



# 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 UniversityCollege 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 Professsor,

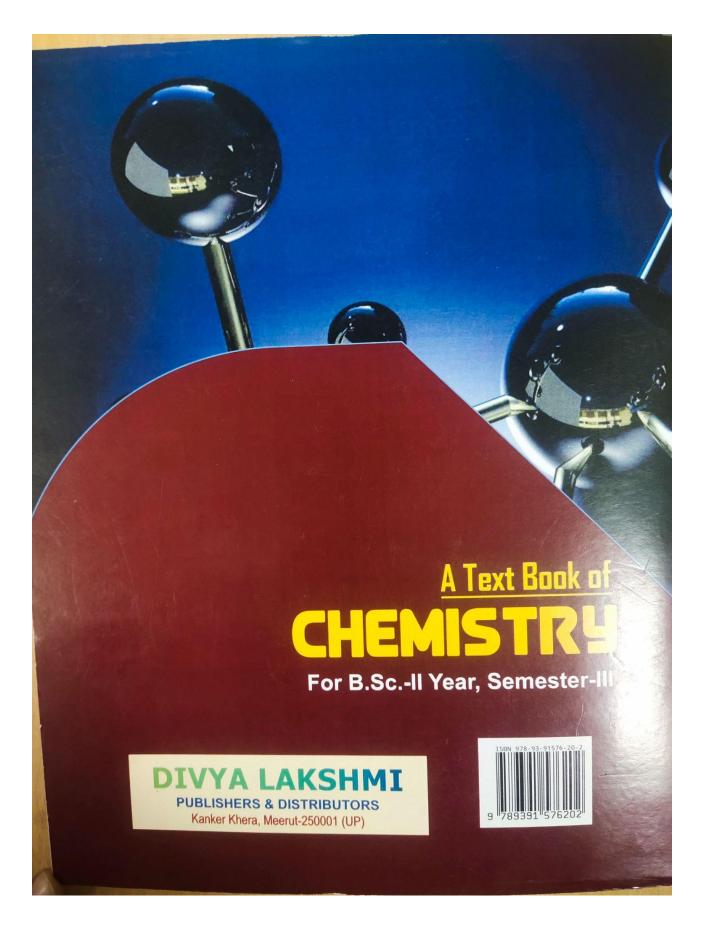
Department of Chemistry, Government Degree College for Women (A) Begumpet, Hyderabald

**DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS** 

**Meerut- Uttar Pradesh** 

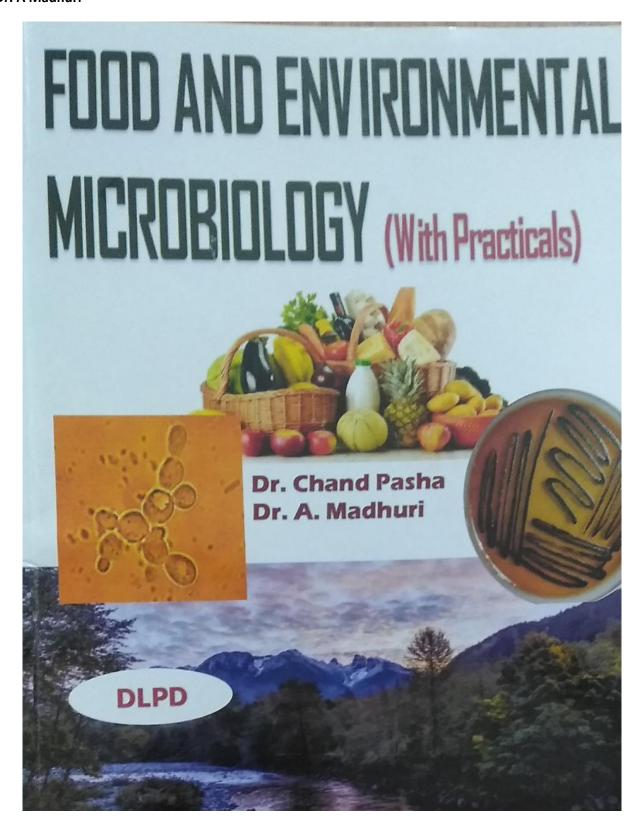
# Contents

12 All	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		
22.77.1974	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	160 173		



#### 15. 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 Dr. A. Madhuri

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

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

**DIVYA LAKSHMI PUBLISHERS AND DISTRIBUTORS** 

# Other useful books in lifescience

**General Microbiology with Practicals** 

(Dr. Chand Pasha, Dr. A. Madhuri & I. Marian Rajini)

Microbial Diversity with Practicals

(Dr. Chand Pasha, Dr. A. Madhuri)

Food and Environmental Microbiology with Practicals

(Dr. Chand Pasha, Dr. A. Madhuri)

Medical Microbiology and Immunology with Practicals (Dr. Chand Pasha & Others)

**Bioinformatics and Biostatistics with Practicals** 

(Dr. Chand Pasha, Ms. Swathi & Dr. Anju Rajan)

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)



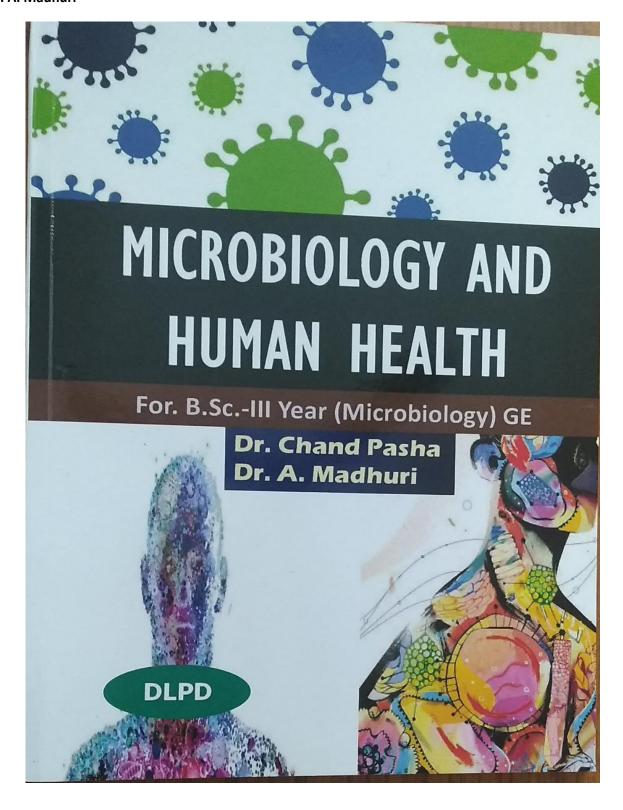




**PUBLISHERS & DISTRIBUTORS** 

Lohia Nagar, Meerut-25001 (UP)





# **MICROBIOLOGY** AND HUMAN HEALTH

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

Dr. Chand Pasha

Assistant Professor & Head Department of Microbiology Nisam College (Autonomous) Camania University. Hyderabad

#### Authors

Dr. Chand Pasha Dr. A. Madhuri

Department of Microbiology Department of Microbiology

Assistant Professor & Head Assistant Professor & Head Nisam College (Autonomous) Government Degree College for Women (A)
Osmania University, Hyderabad 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)

Available on

amazon



**DIVYA LAKSHMI** 

**PUBLISHERS & DISTRIBUTORS** 

Lohia Nagar, Meerut-250001 (UP)

