

As per the New Semester-wise Syllabus of Gondwana University

Mathematics

B.Sc. Semester I (CBCS)

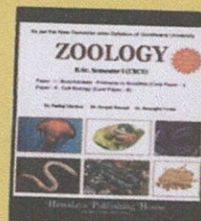
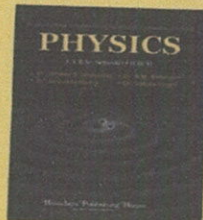
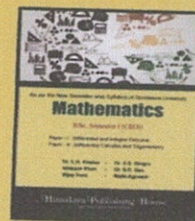
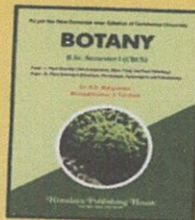
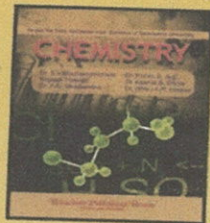
Paper - I : Differential and Integral Calculus (USMT-01)

Paper - II : Differential Calculus and Trigonometry (USMT-02)

Dr. L.H. Khalsa • Dr. S.S. Singru
Ishaque Khan • Dr. S.D. Deo
Vijay Soni • Rishi Agrawal

Himalaya Publishing House
ISO 9001:2008 CERTIFIED

Our Outstanding Publications for B.Sc. Semester I (CBCS)



www.himpub.com

ISBN: 978-93-5273-455-9

PSM 694

₹ 225/-



Principal
Mahatma Gandhi Arts,
Science & Late
N P Commerce College,
Armori, Dist - Gadchiroli



MATHEMATICS

B.Sc. Semester I (CBCS)

Paper I : Differential and Integral Calculus (USMT-01)

Paper II : Differential Calculus and Trigonometry (USMT-02)

Dr. L. H. Khalsa

Principal
M. G. College,
Armori.

Dr. S. S. Singru

Head, Department of Mathematics
Shri Dnyanesh Mahavidyala,
Nawargaon, Dist. Chandrapur.

Ishaque Khan

Head, Department of Mathematics
M. G. College,
Armori.

Dr. S. D. Deo

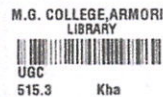
Head, Department of Mathematics
Nilkantharao Shinde Sci. & Arts College,
Bhadrawati, Dist. Chandrapur.

Vijay Soni

Department of Mathematics
D. B. Science College,
Gondia.

Rishi Agrawal

Head, Department of Mathematics
Hislop College,
Nagpur.



Himalaya Publishing House

ISO 9001 : 2008 CERTIFIED

UGC XII Plan
Remedial Coaching Classes

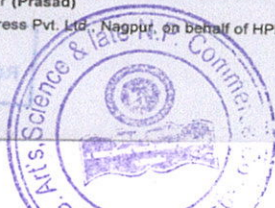
© Author

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording and/or otherwise, without the prior written permission of the publishers.

In spite of best efforts taken to present the book without mistakes, some mistakes may have inadvertently crept in. So we do not take any legal responsibility for them. If they are brought to our notice, corrections will be done in the next edition.

First Edition : 2017

- Published by** : Mrs. Meena Pandey for Himalaya Publishing House Pvt. Ltd.,
"Ramdoot", Dr. Bhalerao Marg, Girgaon, Mumbai - 400 004.
Phone: 022-23860170/23863863, Fax: 022-23877178
E-mail: himpub@vsnl.com; Website: www.himpub.com
- Branch Offices** :
- New Delhi** : "Pooja Apartments", 4-B, Murari Lal Street, Ansari Road, Darya Ganj, New Delhi - 110 002. Phone: 011-23270392, 23278631; Fax: 011-23256286
 - Nagpur** : Kundanlal Chandak Industrial Estate, Ghat Road, Nagpur - 440 018. Phone: 0712-2738731, 3296733; Telefax: 0712-2721215
 - Bengaluru** : Plot No. 91-33, 2nd Main Road Seshdripuram, Behind Nataraja Theatre, Bengaluru-560020. Phone: 08041138521, 9379847017, 9379847005.
 - Hyderabad** : No. 3-4-184, Lingampally, Besides Raghavendra Swamy Matham, Kachiguda, Hyderabad - 500 027. Phone: 040-27560041, 27550139; Mobile: 09390905282
 - Chennai** : New-20, Old-59, Thirumalai Pillai Road, T. Nagar, Chennai-600 017. Mobile: 9380460419
 - Pune** : First Floor, "Laksha" Apartment, No. 527, Mehunpura, Shaniwarpath (Near Prabhat Theatre), Pune - 411 030. Phone: 020-24496323/24496333; Mobile: 09370579333
 - Lucknow** : House No 731, Shekhupura Colony, Near B.D. Convent School, Aliganj, Lucknow - 226 022. Mobile: 09307501549
 - Ahmedabad** : 114, "SHAIL", 1st Floor, Opp. Madhu Sudan House, C.G. Road, Navrang Pura, Ahmedabad - 380 009. Phone: 079-26560126; Mobile: 09377088847
 - Ernakulam** : 39/176 (New No: 60/251) 1st Floor, Karikkamuri Road, Ernakulam, Kochi - 682011, Phone: 0484-2378012, 2378016; Mobile: 09344199799
 - Bhubaneswar** : 5 Station Square, Bhubaneswar - 751 001 (Odisha). Phone: 0674-2532129, Mobile: 09338746007
 - Kolkata** : 108/4, Beliaghata Main Road, Near ID Hospital, Opp. SBI Bank, Kolkata - 700 010, Phone: 033-32449649, Mobile: 09883055590, 07439040301
- DTP by** : HPH, Nagpur (Prasad)
- Printed at** : Geetanjali Press Pvt. Ltd., Nagpur, on behalf of HPH.



Principal
Mahatma Gandhi Arts,
Science & Late
N. P. Commerce College,
Armori, Dist - Gadchiroli