

As per the New Semester-wise Syllabus of Gondwana University

# Mathematics

B.Sc. Semester II (CBCS)

Paper - I : Ordinary Differential Equations and  
Difference Equations (USMT-03)

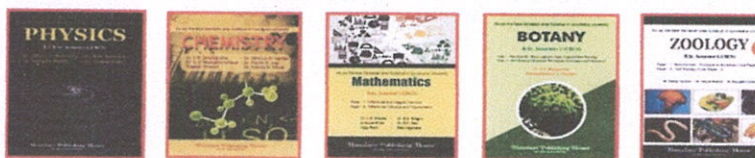
Paper - II : Partial Differential Equation (USMT-04)

$$Y_p(t) = -e^{-t} \int \frac{(t+1)^t}{-te^t} dt + (t+1) \int \frac{e^{-t}(t)}{-te^t} dt$$
$$= e^{-t} \int (t+1)e^{-t} dt - (t+1) \int dt$$
$$= e^{-t} (-e^{-t}(t+2)) - (t+1)t$$

Dr. L.H. Khalsa • Dr. S.S. Singru  
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ISBN: 978-93-5273-713-0



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# MATHEMATICS

## B.Sc. Semester II (C.B.C.S.)

USMT- 03 : Ordinary Differential Equations and Difference Equations

USMT- 04 : Partial Differential Equations

92890

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First Edition : 2018

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
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DTP by	: HPH, Nagpur (Prasad)
Printed at	: Gitanjali Press Pvt. Ltd., Nagpur, on behalf of HPH.



  
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