



Arya Vidyapeeth College
আর্য্য বিদ্যাপীঠ মহাবিদ্যালয়



Personal profile

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Academic Qualification MSc, PhD

Teaching Experience

In UG level: 06 Years

In PG level: 03 Years

Research Experience Date of obtaining / PhD Degree: 01-06-2017, Gauhati University

Title of the PhD thesis:

“A STUDY ON PERFECT NUMBERS AND ASSOCIATED ARITHMETIC FUNCTIONS”

Length of research experience: 09 years

Specialization (Area of interest): Number Theory



Publications **No. Of Book chapters published: 02**

- i) A book of degree Mathematics (Algebra) (Year: 2020), Pragati Prakashan, ISBN: 938996132-7
- ii) An Overview on Perfect Number and Partition Theory (Year : 2013), Research India Publication, ISBN: 978-81-89476-15-7

No. Of Research paper published: 10

Published Papers:

- i) **B. Das** and H.K. Saikia, Some Aspects of Certain form of Near Perfect Numbers, International Journal of Discrete Mathematics, Year : 2017; Vol. 2(3) Page: 64-67. (Science Publishing Group, USA) , DOI: 10.11648/j.dmath.20170203.12. ISSN:2578-9252.
- ii) **B. Das** and H. K. Saikia, On the Sum of Unitary Divisors Maximum Function, AIMS Mathematics, Year: 2017, Vol.2(1), Page: 96-101. (Aims Press, USA), DOI:10.3934/Math.2017.1.96. ISSN:2473-6988.
- iii) **B. Das** and H. K. Saikia, On Near 3-Perfect Numbers, Sohag Journal of Mathematics, Year: 2017, Vol.4(1), Page:1-5. (Natural Sciences Publishing Corporation, USA) , DOI:10.18576/sjm/040101. ISSN: 2375-2874
- iv) **B. Das** and H. K. Saikia, On Abundancy Index of Some Special Class of Numbers, Sohag Journal of Mathematics, Year: 2017 , Vol.4(2), Page:37-40. (Natural Sciences Publishing Corporation, USA), DOI: 10.18576/sjm / 040202. ISSN: 2375-2874
- v) **B. Das** and H. K. Saikia, On Maximum Function associated with , Journal for Algebra and Number Theory Academia, Year: 2016, Vol: 6(2), Page: 87-93.(Mili Publication) , ISSN: 0976-8475
- vi) **B. Das** and H. K. Saikia, Identities for Near and Deficient Hyperperfect Numbers, Indian Journal in Number Theory. Year: 2016, Vol: 3, Page: 124-134.
- vii) **B. Das** and H. K. Saikia, On generalized multiplicative perfect numbers, Notes on Number Theory and Discrete Mathematics, Year : 2013, Vol.19(4), Page: 37-42. (Academic Publishing House of the Bulgarian Academy of Sciences) . ISSN: 2367-8275.
- viii) **B. Das**, A Remark on Arithmetic Function , International Journal of Mathematical Archive, Year :2013, Vol. 4(6), Page:148-150. ISSN: 2229-5046.
- ix) **B. Das**, Some Aspects of Perfect and Generalized Perfect Numbers, International Journal of Mathematical Archive, Year: 2013, Vol. 4(6), Page:118-123. ISSN: 2229-5046

x) **B. Das**, On Arithmetic Functions, Global Journal of Mathematical Science: Theory and Practical., Year : 2013, Vol. 5(2) , Page: 117-122. ISSN: 0974-3200

Papers
presented in
Seminar/
Conference

- i) On Generalized Hyper-perfect Numbers; Department of Applied Sciences, Gauhati University; TEQIP-III; National, 17th May to 18th May, 2019.
- ii) On unitary divisors sum functions; Department of Mathematics, Gauhati University; National, 22nd Dec. to 23rd Dec., 2016.
- iii) On Near-Hyper perfect Numbers; Department of Mathematics, Cotton College State University; National, 21st Oct. to 22nd Oct. , 2016
- iv) On multiplicative near perfect numbers; Department of Mathematics, Gauhati University; National, 22nd December, 2015
- v) On Composition of some arithmetic functions; Girijananda Chowdhury Institute of Management and Technology; National, 23rd December, 2013.
- vi) On T*T-perfect numbers and their relations; Digboi College; UGC; National, 7th October to 8th October , 2013.
- vii) Number theoretic functions; D.C.B. Girls College; UGC; National, 30th Aug. to 31st Aug., 2013.
- viii) Some Aspects of Perfect and Generalized Perfect Numbers; Royal School of Engineering & Technology; DST; National, 9th May to 10th May, 2013
