

International J. of Math. Sci. & Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 6 No. V (September, 2012), pp. 147-157

A NOTE ON THE ARITHMETIC FUNCTION

P. L. SHARMA AND R. K. KANWAR

Department of Mathematics,
Himachal Pradesh University, Summer Hill Shimla - 171005, India

Abstract

We discuss the various properties of the arithmetic function defined by $K(n) = (\sigma\phi)(n) = \sigma(n)\phi(n)$ and give some properties of the Dirichlet's inverse $K^{-1}(n)$ of the function $K(n)$.

Key Words : *Arithmetic Function, Canonical Form, Divisor Function, Euler Totient Function, Prime Factorization.*

© <http://www.ascent-journals.com>