

# Veer Narmad South Gujarat University

M. Sc.-II (Tech.)

(Industrial Mathematics with Computer Applications)

w.e.f. July – August 2004

## IMCA – 204 Fourier Analysis

	L	P	T	
Total	4	0	0	4

- Periodic Functions
- Trigonometric Series, Fourier Series
- Useful Integrals
- Determinations of Fourier Coefficients (Eulers' Formulae)
- Functions defined in two or more sub-ranges
- Functions having arbitrary period
- Even & Odd Functions
- Half range Expansions
- Change of Interval and functions having arbitrary period
- Practical Harmonic Analysis

### References:

1. Erwin Kreszig: Engineering Mathematics
2. H. K. Dass, Advanced Engineering Mathematics, S. Chand and Company Ltd., New Delhi.
3. P. P. Gupta, Engineering Mathematics, Krishna Prakashan Media (P) Ltd., Meerut.