Partial Differentiation and its applications:

Multiple integrals and their applications:

Solid geometry (Vector Treatment):

Infinite series:

Fourier series:
Euler’s formulae, Conditions for a Fourier expansion, Functions having points of discontinuity, Change of interval. Odd and even functions – Expansions of odd or even periodic function. Half range series. Parsevel formula, Practical Harmonic analysis.

Text Books:
1. Higher Engineering Mathematics by B.S.Grewal

Reference Books: