

M.Sc. (PHYSICS) Programme Structure
Programme Code: MSCPHY-20
Second Semester

COURSE – 9 Digital Electronics

Credits –3

Paper code: MPHY509

Total Marks: 50(Assignment 10 +Theory Exam 40)

BLOCK – III DIGITAL ELECTRONICS

Unit –14 : Introduction to Digital Electronics and Logic Gates

Unit –15 : Applications of EX-OR gate

Unit –16 : De-Morgan's Theorems Fundamental Products, Karnaugh map

Unit –17 : Flip-flops

Unit –18 : Shift Registers

Unit –19 : Counters

Unit –20 : Multiplexer and Demultiplexer

BLOCK – IV CONVERTERS

Unit –21 : Digital –to – Analog Converters

Unit – 22 : Analog – to- Digital Converters