AMPT16 DIGITAL WORKFLOW AND IMAGESETTING

UNIT-1 PRE-MEDIA TO PRE-PRESS
1.1 PS, PDF, Raster Image Processor, Image setter types, CTP types, output resolution,
1.2 Screening- rational & irrational, Font Emulation v/s Replacement, Tagged PDF, JDF, and PJTF

UNIT-2 INTRODUCTION, ELEMENTS AND FUNCTIONS OF WORKFLOW
2.1 Introduction to workflow, Job flow & workflow, digital workflow & its significance, comparison between conventional & digital workflow.
2.2 Elements of workflow, job ticket, preflight checking, trapping, proofing, imposition, archiving, corrections, conversion, image replacement, APR, OPI servers, networking.

UNIT-3 TYPES OF WORKFLOW MODULES
3.1 Management module, production module, job administration module, job archiving module, imposition workflow, JDF, PDF workflow

UNIT-4 DIGITAL IMAGE PROCESSING
4.1 Fundamentals, Digital Image Processing, Image Compression techniques and their application, Anti-aliasing and interpolation

UNIT-5 PROOFING
5.1 Digital Proofing, Soft proof, hard proof, proofing technologies viz: inkjet, electro photography, thermography

UNIT-6 INTEGRATION OF PRE-PRESS, PRESS AND POST-PRESS
2.1 Integrated print solutions through proper integration of pre-press, press and post-press, latest developments in pre-press and customer communication and job submission

Reference Books:
1. H Kipphan, handbook of Print Media, Springer – VetagBzlin Heidelberg, 2001
2. Richard M. Adams II & Frank d – Romano, Computer to Plate Automating the Printing Industry, GATF Press, 2nd edition.
3. Michel L. Kleper, The Hand Book of Digital Publishing (Volume I) PH, PTR Publishing