Reg. No.

MANIPAL INSTITUTE OF TECHNOLOGY

(A constituent unit of MAHE, Manipal)

IV SEMESTER B.TECH. (MEDIA TECHNOLOGY) GRADE IMPROVEMENT/MAKEUP EXAMINATIONS, AUGUST 2021 SUBJECT: DIGITAL PRINT SYSTEMS [MED 2253]

REVISED CREDIT SYSTEM

(11/08/2021)

Time: 2 Hours

MED 2152

MAX. MARKS: 40

Instructions to Candidates:

- ✤ Answer ANY 4 full questions.
- Missing data may be suitable assumed.

1A.	Explain step by step process of finding exposure value through exposure sweep.
10	How doos thermal transfer and sublimation process differ (in all aspects) from
ID.	other non-impact printing (NIP) processes? Explain.
	[05 + 05]
2A.	"Computer to Press/DI systems has revolutionized the modern-day printing" – Explain/justify this statement.
2B.	How can you ensure to have a consistency in input, monitor and output devices? Explain the process involved in achieving the consistency among the devices.
	[05 + 05]
3A.	With suitable example, explain the screening techniques in digital systems. Draw
	sketches to support your answer.
3B.	Explain the four important factors of digital printing process which distinguishes it
	from conventional printing.
	[05 + 05]
4A.	With neat diagrams, explain the satellite design (with intermediate drum and
	direct to paper) press configuration for color printing using lonography.
4B.	Explain how Computer to Print systems have revolutionized modern day printing?
	[05 + 05]
5A.	With neat sketches, explain the concept of re-imageable masters for:
	a. DICO-WEB Litho b. DICO-WEB Gravure

5B.	Explain the typical failure modes in Ink jet process.
	[(2.5+2.5) + 05]
6A.	Explain how hybridization opens new horizons for print fraternity.
6B.	An old printed material in a very poor condition is to be digitized. The print on the paper has deteriorated over time. It has both text and images. Explain the scanning factors affecting the image quality for this job.
	[05 + 05]

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