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INSPIRED BY LIFE

Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



IV SEMESTER B.TECH (PRINT AND MEDIA TECHNOLOGY)

MAKEUP EXAMINATIONS, JUNE - JULY 2016

SUBJECT: OFFSET PRINTING [PMT 2201]

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Draw neat figures wherever required.

- 1A. What is Pile height governor? What is its function? Brief with a neat diagram? **3**
- 1B. What is the importance of side lay? What are the types of it? Explain each. **4**
- 1C. List and explain various types of paper feeding mechanisms in a sheet fed machine. **3**

- 2A. What is the importance of dampening solution in a offset press? Explain its content and importance of each. **4**
- 2B. With neat diagram explain the working of double sheet detector and no sheet detector? **3**
- 2C. What is the importance of form rollers in an offset machine? Why is form rollers are of different diameters? What are the types of rollers used in the press? **3**

- 3A. What is shore hardness? What is its importance? How do you measure it on a roller? **3**
- 3B. What do you understand by ink split? Explain with neat diagram. **3**
- 3C. With neat diagram, explain the working of a Zero speed splicer? **4**

- 4A.** How are the inking roller setting done? Explain each process. **4**
- 4B.** Why the inking rollers have oscillation? Explain the inking unit of a sheet fed press with a neat diagram. **4**
- 4C.** What is anti-set off powder? Explain each type **2**
- 5A.** List the advantages of high pile over standard delivery? **3**
- 5B.** List out any 5 ink and paper related problems, their causes and remedies. **5**
- 5C.** What do you understand by former in offset printing? Where do you find it? **2**