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# Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



## VI SEMESTER B.TECH (PRINT AND MEDIA TECHNOLOGY)

### END SEMESTER EXAMINATIONS, MAY 2016

SUBJECT: PRINT FINISHING AND CONVERTING [PME 304]

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

#### Instructions to Candidates:

- ❖ Answer **any 5 full** questions.
- ❖ Draw neat figures wherever required.

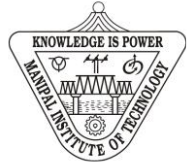
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|---|----------|
| <b>1A.</b> List and explain various binders aids used in the bindery?                                   | <b>3</b> |
| <b>1B.</b> Which is the 1 <sup>st</sup> step in bindery? Explain with neat diagram various types of it. | <b>4</b> |
| <b>1C.</b> What do you understand by signature and signature marks? Explain with a neat diagram.        | <b>3</b> |
| <b>2A.</b> Explain the parts of a hard bound book with a neat diagram.                                  | <b>4</b> |
| <b>2B.</b> Draw a chart showing various binding classifications and explain each.                       | <b>4</b> |
| <b>2C.</b> "Printing begin with post press" – justify this statement                                    | <b>2</b> |
| <b>3A.</b> What are the advantages of hard bound books over flexible bound books?                       | <b>3</b> |
| <b>3B.</b> What is the difference between sewing and stitching?   | <b>2</b> |
| <b>3C.</b> With a neat diagram explain perfect binding process?   | <b>5</b> |
| <b>4A.</b> What do you understand by BSPS and ISO papers? List the advantages of ISO over the other.    | <b>3</b> |
| <b>4B.</b> List any 5 binding related problems, their causes and remedies.                              | <b>5</b> |
| <b>4C.</b> What are head and tail bands? Why head and tail bands are used on a book?                    | <b>2</b> |

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- 5A.** What is French groove? What is its function? **2**
- 5B.** What is cold set lamination? Explain working of laminating machine with a neat diagram. **4**
- 5C.** What is the difference between forwarding and finishing operations? List various forwarding and finishing operations and brief each? **4**
- 6A.** What is tipping? Explain the working of a tipping machine with neat diagram? **4**
- 6B.** What is the difference between three knife trimmer and guillotine cutters? **3**
- 6C.** What do you understand by open time and close time with regard to adhesive? **3**  
Brief with suitable example.