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Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



VI SEMESTER B.TECH (PRINT AND MEDIA TECHNOLOGY)

MAKEUP EXAMINATIONS, JUNE - JULY 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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| 1A. | What is back gauge in a guillotine cutting machine? What is its importance | 2 |
| 1B. | Draw a neat lay out of post press department and mention various activities taking place. | 4 |
| 1C. | List and explain various raw materials used in the binding department. | 4 |
| 2A. | What do you know about grain direction? What is its importance in binding? | 2 |
| 2B. | What is lay flatness of a book? What are the various techniques used in bindery to make the book lay flat? Explain with neat diagram? | 4 |
| 2C. | List various securing methods in binding. Brief each. | 4 |
| 3A. | With neat diagram explain various knife angles of a guillotine cutting knife? State the advantages of each. | 4 |
| 3B. | How do you check the strength of spine of a bounded book? | 2 |
| 3C. | List and brief various finishing operations that are carried on a book. | 4 |
| 4A. | What do you understand by edge decoration? Explain the process of coloring? | 3 |
| 4B. | What is the purpose of lining? Where is it given in a book? | 2 |
| 4C. | Explain with neat diagram the steps involved in French sewing. | 5 |

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| 5A. | Explain with neat diagram the gluing station of a perfect binding machine. | 3 |
| 5B. | What is a case? How are hard cases prepared? | 2 |
| 5C. | With a neat chart explain various binding classifications? | 5 |
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| 6A. | Explain buckle folding technique with a neat diagram. | 3 |
| 6B. | What is bundling? Why is it important in bindery? Explain with an example. | 3 |
| 6C. | List and explain the steps involved in hard case binding process. | 4 |