



**I SEMESTER M.TECH. (PRINTING AND MEDIA TECHNOLOGY)**  
**END SEMESTER EXAMINATIONS, NOVEMBER 2019**  
**SUBJECT: PRINT FINISHING AND CONVERTING [PME 5152]**  
**REVISED CREDIT SYSTEM**  
**(19/11/2019)**

Time: 3 Hours

MAX. MARKS: 50

**Instructions to Candidates:**

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.

- 1A.** When a paper's weight exceeds 80 lbs, it can be very difficult to fold. Hence which finishing operation is applicable? Explain.
- 1B.** Calculate the quantity of sewing thread required for the binding of 5,000 books in A5 size assuming that each book contains 15 sections and the thread contained in each reel is 500 meters. Distance between K1 and K2 is 15.5 cm.
- 1C.** Explain any two reinforcing and covering materials used in print finishing and converting.
- [ 03 + 03 + 04 ]**
- 2A.** Which sewing technique is adopted to obtain raised band on the spine? Explain.
- 2B.** Which are the factors influencing the production efficiency in perfect binding? Explain.
- 2C.** Which adhesive binding gives good strength and flexibility? Explain and also list its major technical considerations.
- [ 03 + 03 + 04 ]**
- 3A.** What additional features can be performed on folding machine? Explain.
- 3B.** How to manage the Quality issues in print finishing industry? Explain
- 3C.** When would you prefer coating and when would you prefer lamination for the cover of the printed book? Justify with technical points.
- [ 03 + 03 + 04 ]**
- 4A.** 'Without preflight examination, a problem could emerge that would shut down production' – Justify this statement with an example.
- 4B.** List the differences between UV coating and Aqueous coating.
- 4C.** Compare UV and EB coatings used in print finishing.
- [ 03 + 03 + 04 ]**
- 5A.** What is self-publishing? Explain with neat block diagram.
- 5B.** In series connections, how the print finishing modules can be interlinked? Show with neat block diagram.
- 5C.** 'The Print Finishing industry has become digitized.' Justify this statement with suitable example.
- [ 03 + 03 + 04 ]**