

BACHELOR OF PRINTING ENGINEERING EXAMINATION 2022
(Third Year, Second Semester)
Post Press Operations

Time: Three hours

Full Marks: 100

Answer Question No. 1 and any Five questions from the rest.

1. (a) The number of pages in a section of the book should be decided during planning. Why?
(b) How does the paper grain influence the perfect binding?
(c) Define "Pamphlet Stitch" and "Stab Stitch".
(d) What are the purposes of applying cords or tapes during sewing?
(e) Buckle folding method is not generally used for book production purpose. Why?
(f) Work and tumble imposition scheme is very rarely used. Why?

4+4+4+2+3+3=20
2. (a) Compare between Work and Back & Work and Turn Imposition Schemes.
(b) Discuss how the types of paper influence the perfect binding.
(c) Discuss in brief the functional parts of one shot perfect binding unit.

5+5+6=16
3. Discuss with neat sketches different types of loom sewing used in binding.

16
4. What are the properties of the paper that should be considered during planning of a job to be bound after printing? Discuss in brief.

16
5. (a) What do you mean by "folding to paper" and "folding to print"?
(b) Compare between buckle folder and knife folder.
(c) Discuss with neat sketch the working principle of buckle folder.

(2+2)+5+7=16
6. (a) What do you mean by gathering?
(b) Discuss with neat sketch the working principle of rotary gathering unit.
(c) Discuss in brief the Black Step method collating.

2+10+4=16
7. (a) What are the purposes of rounding a book?
(b) What are method used for rounding? Discuss in brief.
(c) Discuss in brief the methods of attaching cover-boards.

5+5+6=16
8. (a) Define loose leaf and mechanical binding.
(b) Compare between loose leaf and mechanical bindings.
(c) It has been found that after sewing there is a difference in thicknesses between spine and fore-edge of the book. Why? How can it be eliminated?

(2+2)+6+(2+4)=16