

## **PRINTING WORKSHOP**

|                                      |                     |                     |           |
|--------------------------------------|---------------------|---------------------|-----------|
| Course Title                         | Printing Workshop   | Course Code         | PDA - 108 |
| Year                                 | I                   | Course Group        | Practical |
| Teaching Scheme in Minutes (L: T: P) | 30:0:60             | Credits             | 2         |
| Methodology                          | Lecture + Practical | Total Contact Hours | 90        |
| CIE                                  | 60 Marks            | Year End Exam (YEE) | 40 Marks  |

**PREREQUISITIES:** Basic English

**COURSE CONTENT:**

**UNIT 1: Layout and Typesetting**

**DURATION:30 HOURS**

1. Drawing of upper-case and lower-case letters
2. Preparation of layouts and selection of type faces
3. Title page, letterheads, visiting cards, labels and displaysetc.
4. Study of all composing room equipment's tools and Materials
5. Care and handling methods
6. Identification of fonts – classification of type
7. Spacing materials- furniture- leads- rules and borders
8. Measuring system – Type calculations – Book case and Job case layout practice
9. Type setting- justification of lines.

**UNIT 2: Printing Machine work**

**DURATION:30 HOURS**

1. Introduction of machines
2. Identification of Tools and Equipment's and Materials
3. Safety methods, cleaning and oiling of machines
4. Blind paper feeding practice
5. Packing the machines – locking up of the forms
6. Inking the machine – make ready for printing the job
7. Inking and impression adjustments and registering the print
8. Locking up of type matter, line, half tone blocks
9. Imposition of two and four pages

## UNIT 3: Binding

DURATION-30 HOURS

1. Introduction and identification of binding tools, equipment's and machine
2. Practicing of folding, jogging, and counting of sheets
3. Different methods of inserting and guarding of sheets
4. Preparation of end papers
5. Stitching of books, attaching wrappers, glowing, tipping-on methods

### CO – PO MAPPING MATRIX:

| COURSE OUTCOMES |                                                                                              | CL    | Linked PO | TeachingPeriods |
|-----------------|----------------------------------------------------------------------------------------------|-------|-----------|-----------------|
| CO 1            | Apply standard practices to perform different type faces and Layouts for preparing job Cases | R/U/A | 1,2,3     | 30              |
| CO 2            | Handle various machinery, equipment and tools used for Printing                              | R/U/A | 1,2,3     | 30              |
| CO 3            | Practice different Binding methods using various materials                                   | R/U/A | 1,2,3     | 30              |

### SUGGESTED STUDENT'S ACTIVITIES:

1. A tools identification of different printing sections.
2. Inspect the available equipment in the Laboratory / workshop to identify the components.
3. Visit all equipment's and machinery.
4. Quiz on each section of the workshop
5. Conduct a Group discussion to be about the usefulness of the concerned section in manufacturing of printing components.
6. Surprise test in each section of the printing workshop.

### E-LEARNING LINKS:

- TeX Users Group
- XML page at [www.W3C.org](http://www.W3C.org)
- SGML page at [www.xml.org](http://www.xml.org)
- Symbols
- Introduction to Letterpress Printing
- Bibliography of Letterpress Printing
- British Letterpress: information for hobby printers, and specific UK letterpress machines
- The Fine Press Book Association

- Early Rollers and Composition Rollers
- Letterpress Studio Directory
- Fine Printing & Binding of the English Bible – Great and Manifold: A Celebration of the Bible in English digital collection, Thomas Fisher Rare Book Library, University of Toronto
- Book bindings through the ages on Flickr by the National Library of Sweden
- Several free books on Bookbinding, Gilding, Box construction
- Online exhibit of publishers' bookbinding, 1830–1910 from the University of Rochester

## Model Question Paper Diploma in Printing & Data Analytics

### PDA - 108: Printing Workshop

#### Mid -1 / Mid-2 / Year End Examination

Time: 1/1/2 Hour

Total Marks: 20 / 20 / 40

Note:

- Answer any one of the following.
- Use lottery system for allocation of the experiment for the examination.

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1. Identify different tools in letter press machine section with neat sketch.
2. Write about platen machine in letter press section.
3. How can you draw a layout for multi color job.
4. Arrange the different blocks for letter press job.
5. Identify different machines in binding section and explain.
6. Prepare note book with 3-hole stitching.
7. Prepare a book with using sewing.
8. Write short notes on composing stick with neat sketch.
9. Explain about upper cases and lower cases.
10. Prepare any one type of end paper.

