

PRINTING CRAFT PRACTICE

EXAMINATION SCHEME

There will be three papers, Papers 1, 2 and 3 all of which must be taken.

Papers 1 and 2 will be a composite paper to be taken at one sitting.

- Paper 1: will consist of forty multiple-choice objective questions all of which are to be answered in 45 minutes for 40 marks.
- Paper 2: will consist of five essay questions. Candidates will be required to answer **any four** in 1½ hours for 60 marks.
- Paper 3: will be a practical test of 1 hour duration. It will consist of two practical questions out of which candidates will be required to answer one for 100 marks.

A list of materials for the test shall be made available to schools not less than two weeks before the paper is taken for material procurement and relevant preparations.

ALTERNATIVE TO PRACTICAL TEST

The Council may consider testing candidates' ability in practical work as prescribed in the syllabus in the event that materials for the actual practical test cannot be acquired. For this alternative test there will be two sets of questions both of which are to be answered in 1 hour for 100 marks.

SAMPLE QUESTIONS

PAPER 1 (OBJECTIVE)

- Which of the following is **not** a career in the Printing Industry?
 - Proof reading
 - Lithography
 - Graphic Art
 - Turning
- The process of printing which uses ink and water simultaneously is called
 - gravure.
 - letter press .
 - offset/lithography .
 - screen process.
- The walls of a darkroom must be painted in which of the following colours?
 - Red
 - Green
 - Black
 - Yellow

4. Which of the following is **not** an appropriate instrument for design?
 - (a) Drawing board
 - (b) Table and chair
 - (c) Plate clamp
 - (d) T-square

5. The inventor of Lithography is
 - (a) Johann Gutenberg.
 - (b) George Eastman.
 - (c) Alois Senefelder.
 - (d) Henry Townsend.

6. Which of the following is **not** one of the major printing processes?
 - (a) Gravure
 - (b) Web Printing
 - (c) Letterpress
 - (d) Flexography

7. Incorrect blanket underlay affects the
 - (a) surface tension.
 - (b) plate emulsification.
 - (c) impression cylinder.
 - (d) image.

8. The secured back of a book is called
 - (a) spine.
 - (b) fore edge.
 - (c) tail.
 - (d) head.

9. Which of the following is required for the development of a coated and exposed mesh?
 - (a) Water
 - (b) Gum
 - (c) Glue
 - (d) Kerosene

ESSAY

1. Describe the sequence of operation in making a Lithographic positive plate from the receipt of a positive film ready for printing.

2. State in a tabular form the sequence of binding operations in Edition case binding and Perfect binding.

PRACTICAL

QUESTION 1

PROJECT: Sticker

DESIGN: Design and print a sticker for a school's founder's day with the following

specifications: School's logo, Name and Address of the school.
PRINTING METHOD: Screw process
COLOUR: Three colours of the candidate's choice
COPIES: Five good copies
MATERIALS: Sticker (transparent), Vinol ink, Art work, Chemicals.

QUESTION 2

PROJECT: Letter head.
DESIGN: Design and print a Letter head for a school with the following specifications:
School's logo, Name and Address of the school.
METHOD: Offset Lithography.
COLOUR: Two colours of the candidate's choice.
SIZE: A4
COPIES: Five good copies.
MATERIALS: Bond paper 70gsm, Plate, Ink, Artwork.

PROJECT VALIDATION REPORT
PROJECT VALIDATION REPORT FORM

NAME OF SCHOOL -----

CANDIDATE'S NAME -----

CANDIDATE'S NUMBER -----

PROJECT TITLE -----

QUESTION NUMBER -----

MATERIALS USED -----

TOOLS USED -----

EQUIPMENT -----

PROCEDURE (STEP BY STEP)

PREPARATION -----

(FOR EXAMINER'S USE)

OBSERVATION (if any) -----

RATING: **A** (Very good) **B** (Good) **C** (Average) **D** (Poor)

REMARK: From observation of the practical and report above, are you of the opinion that this candidate actually produced the project? (Put a tick in the appropriate box)

- YES**
 NO

PRACTICAL
PRINTING CRAFT PRACTICE 3

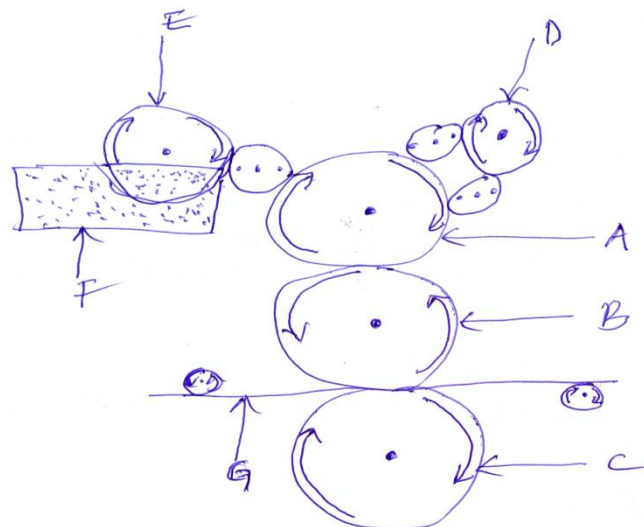
INSTRUCTIONS TO CANDIDATES

This paper consists of **two** questions. Candidates are expected to answer **ONE** question only.

QUESTION 1

- (a) Re-arrange the following steps as a production sequence in the Lithographic process:
- i. plate making;
 - ii. proofing;
 - iii. stripping and camera work;
 - iv layout;
 - v. printing/machine work;
 - vi. type setting.

The figure below shows a schematic diagram of the principle of operation of an offset machine. Use it to answer questions 1 (b) and 1 (c)



- (b) Draw the diagram.
(c) Use items i to vii given below to label the given parts appropriately.
- (i) Paper
 - (ii) Water

- (iii) Damping rollers
- (iv) Ink rollers
- (v) Plate cylinder
- (vi) Blanket cylinder
- (vii) Impression cylinder

QUESTION 2

- (a) State **three** important operations involved in making a screen frame with a Mesh.
- (b) Write out the production sequence of operations involved in printing A3 size Table mat in three colours using photography screen printing process.