

द्वितीय पत्र :- मुद्रण व्यवस्थापन II

**Section A – 20 Marks**

1. **History of Printing** 10%
- 1.1 Introduction
  - 1.2 The evolution of printing
  - 1.3 Type beginnings
  - 1.4 Roman Letter Development
  - 1.5 Italic & Display types
  - 1.6 Early printing in England
  - 1.7 Famous English type designers
  - 1.8 Early printing patriots
  - 1.9 Types and type setting machine
  - 1.10 Plate making before photo the mechanics invention
  - 1.11 Photography & photo mechanics
  - 1.12 Development of the printing press
  - 1.13 Discovery of lithography

8. **नेपालमा छापाखाना सम्बन्धी ऐन, नियमहरु** 10%
- 8.1 छापाखाना र प्रकाशन सम्बन्धी ऐन, २०४८
  - 8.2 छापाखाना र प्रकाशन सम्बन्धी नियमावली, २०४९
  - 8.3 प्रतिलिपि अधिकार सम्बन्धी ऐन, २०५९

**Section B – 30 Marks**

2. **Letter Press** 10%
- 2.1 Type of fundamentals
    - 2.1.1 *Compositions tools*
    - 2.1.2 *Equipments and materials of composing*
  - 2.2 Classification of type faces
    - 2.2.1 *Old style*
    - 2.2.2 *Modern*
    - 2.2.3 *Square serif*
    - 2.2.4 *Script*
    - 2.2.5 *Text letters*
    - 2.2.6 *Decorative types*
    - 2.2.7 *Types families*
  - 2.3 Readability & Legibility
    - 2.3.1 *Type arrangement*
    - 2.3.2 *Printed page*
    - 2.3.3 *Type design*
  - 2.4 Letter spacing
    - 2.4.1 *Negative letter spacing*
    - 2.4.2 *Line spacing*
    - 2.4.3 *Word spacing*
    - 2.4.4 *Lead*

लोक सेवा आयोग  
नेपाल शिक्षा सेवा, मुद्रण व्यवस्थापन समूह, मुद्रण व्यवस्थापन उपसमूह, राजपत्राङ्कित तृतीय श्रेणीको खुला र  
आन्तरिक प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

- 2.4.5 *Furniture*
- 2.5 Printers measurements
- 2.5.1 *The point*
- 2.5.2 *The pica*
- 2.5.3 *The em*
- 2.5.4 *The agate line*
3. ***Printing*** **20%**
- 3.1 Size of paper
- 3.2 Micro meter
- 3.3 Densitometer
- 3.4 Viscosity
- 3.5 Tag
- 3.6 Fountain solution
- 3.7 Register mark, bar & pin
- 3.8 Gray scale
- 3.9 Stape scale
- 3.10 Multi Color
- 3.11 Single colour/ multicolour
- 3.12 Hot metal/cold metal

**Section C – 30 Marks**

4. ***Press Machinery Maintenance*** **10%**
- 4.1 Safety measures
- 4.2 Lubrication
- 4.3 Check ruler / associated parts
- 4.4 Trouble shooting
- 4.5 Nature of breakdown
- 4.6 Spare parts
5. ***Planning / Estimating*** **10%**
- 5.1 Planning
- 5.2 Size
- 5.3 Color
- 5.4 Cover
- 5.5 Farma
- 5.6 Binding
- 5.7 Manpower
- 5.8 Estimate cost
- 5.9 Final cost
6. ***Management*** **10%**
- 6.1 Building
- 6.2 Machinery equipments
- 6.3 Raw materials
- 6.4 Quality controls and instruments
- 6.5 Man power
- 6.6 Transportation

**Section D – 20 Marks**

7. **Communication and Carrier Development** 20%
- 7.1 Communication
- 7.1.1 Hoarding board
- 7.1.2 Poster
- 7.1.3 Telephone
- 7.1.4 Personal contact.
- 7.1.5 T.V., Radio and Press.
- 7.1.6 Computer network and fax.
- 7.1.7 Demands Collection
- 7.1.8 Quick service
- 7.1.9 Internal communicator maintenance
- 7.1.10 E-Mail
- 7.1.11 Internet
- 7.2 Develop Carrier
- 7.2.1 Workshop / seminar
- 7.2.2 Higher study
- 7.2.3 Library
- 7.2.4 New technology
- 7.2.5 Skilled manpower
- 7.2.6 Training
- 7.2.7 Publication

द्वितीय पत्रको एकाइ र प्रश्नसंख्या निम्नानुसार हुनेछ :

द्वितीय पत्रका खण्ड	A		B		C			D
द्वितीय पत्रका एकाइ	1	8	2	3	4	5	6	7
प्रश्न संख्या	1	1	1	2	1	1	1	2

विषयगत नमूना प्रश्नहरू (Sample questions)

- 1 Briefly describe the historical development of printing industry in Nepal.
- 2 Describe the difference between letter press and offset printing press.
- 3 How many cylinders are there in offset printing press? Briefly describe their functions.
- 4 What are the duties of press manager? Describe briefly.
- 5 What are the problems of press maintenance?