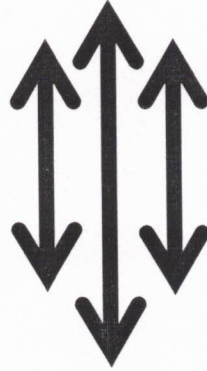
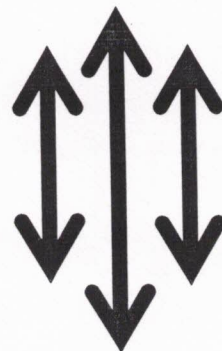


नेपाली सेना
श्री भर्ना छनौट निर्देशनालय, कार्यरथी विभाग,
जंगी अड्डा



प्रा.उ.से. छापाखाना (खुला)
पदको लिखित परीक्षाको पाठ्यक्रम



२०७९

प्रा.उ.से. छापाखाना (खुला) पदको लिखित परीक्षाको
पाठ्यक्रम

समय: ४ घण्टा १५ मिनेट

पूर्णाङ्क: १५०

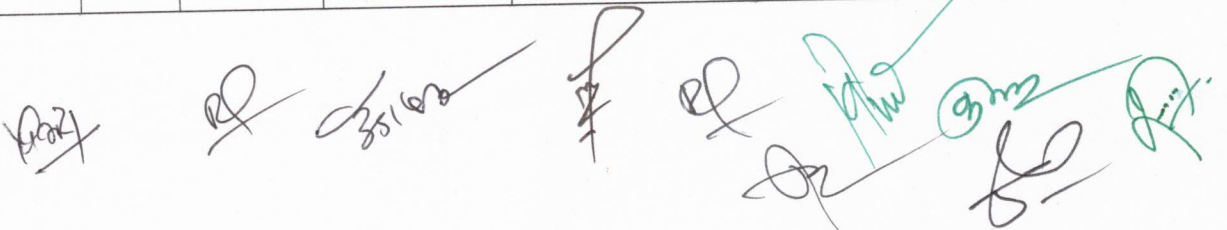
उत्तीर्णङ्क: ६०

यो पाठ्यक्रम नेपाली सेना प्रा.उ.से. छापाखाना (खुला) पदका उम्मेदवार छनौट परीक्षाको लागि निर्धारण गरिएको हो । लिखित परीक्षामा सरिक हुने उम्मेदवारहरूको पेशा सम्बन्धि विषयलाई आधारमानी प्रश्नहरू सोधिने छ ।

- (क) लिखित परीक्षाको माध्यम नेपाली/अंग्रेजी वा दुवै भाषा हुनेछ ।
- (ख) लिखित परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र अर्को चरणको परीक्षामा सम्मिलित गराइने छ ।
- (ग) प्रश्नपत्र निर्माण गर्दा पाठ्यक्रममा समावेश भएका सबै विषयहरूलाई यथासंभव समेटिनेछ ।
- (घ) नेपाली सेनाको आवश्यकता तथा विविध परिस्थितिमा नेपाली सेना अनुकूल हुने गरी उल्लिखित विवरणहरूमा हेरफेर हुन सक्नेछ ।
- (ङ) पाठ्यक्रमको रूपरेखा देहायमा उल्लेख गरे अनुसार हुनेछ ।
- (च) पाठ्यक्रम लागु मिति २०७९/११/१५ गते ।

लिखित परीक्षाको योजना र पाठ्यक्रम

विषय	पूर्णाङ्क	उत्तिर्णाङ्क	परीक्षा प्रणाली		प्रश्न संख्या x अङ्क	समय
पेशा सम्बन्धी	७५	६०	वस्तुगत (Objective)	बहुवैकल्पिक प्रश्न (MCQs)	७५ प्रश्न x १ अङ्क = ७५	१ घण्टा १५ मिनेट
	७५		विषयगत (Subjective)	छोटो उत्तर	९ प्रश्न x ५ अङ्क = ४५	३ घण्टा
				लामो उत्तर	३ प्रश्न x १० अङ्क = ३०	



लिखित परीक्षाको पाठ्यक्रम

1. History of Printing and Printing Press in Nepal

- 1.1 Introduction and evolution of printing
- 1.2 Type beginnings
- 1.3 Roman Letter development
- 1.4 Italic and Display types
- 1.5 Early printing in England
- 1.6 Famous English type designers
- 1.7 Early printing patriots
- 1.8 Types of type setting machine
- 1.9 Plate making before photo the mechanics invention
- 1.10 Photography and photo mechanics
- 1.11 Development of the printing press
- 1.12 Discovery of lithography
- 1.13 Different Printing Methods/ Techniques

2. History of Printing Press in Nepal

- 2.1 Printing in Nepal: Past and present
- 2.2 Book publishing in Nepal
- 2.3 Development of printing industry in Nepal
- 2.4 Legal aspects of printing
- 2.5 Development of handmade paper
- 2.6 The evolution of Devnagari script
- 2.7 Paper industries in Nepal

3. Letter Press

- 3.1 Type of fundamentals
 - 3.1.1 Compositions tool
 - 3.1.2 Equipment and materials of composing
- 3.2 Classification of type faces
 - 3.2.1 Old style
 - 3.2.2 Modern
 - 3.2.3 Square serif
 - 3.2.4 Script
 - 3.2.5 Text letters
 - 3.2.6 Decorative types
 - 3.2.7 Types families
- 3.3 Readability and Legibility
 - 3.3.1 Type arrangement
 - 3.3.2 Printed page
 - 3.3.3 Type design

Handwritten signatures and marks at the bottom of the page, including several stylized signatures in black and green ink.

3.4 Letter spacing

- 3.4.1 Negative letter spacing
- 3.4.2 Line spacing
- 3.4.3 Word spacing
- 3.4.4 Lead
- 3.4.5 Furniture

3.5 Printers measurements

- 3.5.1 The point
- 3.5.2 The pica
- 3.5.3 The em
- 3.5.4 The agate line

4. Proof Reading

- 4.1 The language
- 4.2 Wrong font
- 4.3 Impose
- 4.4 The spelling
- 4.5 Design layout
- 4.6 The page checking
- 4.7 Proof readers marks

5. Type Setting

- 5.1 Layout
- 5.2 Design
- 5.3 Page making
- 5.4 Printing materials
- 5.5 Camera ready

6. Pasting Layout

- 6.1 Dummy
- 6.2 Font
- 6.3 Illustration
- 6.4 Graphic design
- 6.5 Layout
- 6.6 Pasting

7. Camera Work

- 7.1 Line / half tone
- 7.2 Screen
- 7.3 Negative / Positive process
- 7.4 Type of film
- 7.5 Chemicals
- 7.6 Types of camera
- 7.7 Film development

Handwritten signatures and marks at the bottom of the page, including a large signature on the left and several smaller ones on the right, some in green ink.

8. Stripping

- 8.1 Page making
- 8.2 Masking
- 8.3 Opequing
- 8.4 Register mark
- 8.5 Gripper
- 8.6 Exposure
- 8.7 Final check

9. Plate Making

- 9.1 Printing page
- 9.2 Types of plate
- 9.3 Plate coating
- 9.4 Negative and positive plate
- 9.5 Plate expose
- 9.6 Developing the plate
- 9.7 Gumming the plate
- 9.8 Preparation of plate for printing

10. Screen Printing

- 10.1 Introduction of screen printing
- 10.2 Stretching materials and equipment
- 10.3 Exposure of the film on frame
- 10.4 Frame setting
- 10.5 Ink preparation
- 10.6 Register mark alignment
- 10.7 Paper Trimming
- 10.8 Application of screen printing
- 10.9 Printing of the materials
- 10.10 Chemicals of screen printing (manual or automatic)

11. Paper

- 11.1 Paper making
- 11.2 Paper characteristics
- 11.3 Run ability and print quality
- 11.4 Paper testing and evaluation
- 11.5 Paper grades
- 11.6 Cutting charts
- 11.7 Equivalent weights
- 11.8 Pulping
- 11.9 Bleaching
- 11.10 Paper storage and conditioning

12. Ink

- 12.1 Ink making
- 12.2 Special characteristics of ink
- 12.3 Letter press ink
- 12.4 Offset lithographic ink
- 12.5 Gravure ink
- 12.6 Flexographic ink
- 12.7 Screen printing ink
- 12.8 Types of ink

13. Binding

- 13.1 Types of Binding
 - 13.1.1 Side stitch
 - 13.1.2 Center stitch
 - 13.1.3 Thread binding
 - 13.1.4 Hard binding
 - 13.1.5 Spiral binding
 - 13.1.6 Glue binding
- 13.2 Perform Binding
 - 13.2.1 Forma cutting
 - 13.2.2 Folding
 - 13.2.3 Gathering
 - 13.2.4 Stitch / wire / thread
 - 13.2.5 Crease
 - 13.2.6 Paste the cover
 - 13.2.7 Trimming
 - 13.2.8 Packing
 - 13.2.9 Delivery

14. Printing

- 14.1 Size of paper
- 14.2 Micro meter
- 14.3 Densitometer
- 14.4 Viscosity
- 14.5 Tag
- 14.6 Fountain solution
- 14.7 Register mark, bar & pin
- 14.8 Gray scale
- 14.9 Stape scale
- 14.10 Multi Colour
- 14.11 Single colour/ multi colour
- 14.12 Hot metal/cold metal

[Handwritten signatures and marks at the bottom of the page]

15. Press Machinery Maintenance

- 15.1 Safety measures
- 15.2 Lubrication
- 15.3 Check ruler / associated parts
- 15.4 Trouble shooting
- 15.5 Nature of breakdown
- 15.6 Spare parts

16. Planning / Estimating

- 16.1 Planning
- 16.2 Size
- 16.3 Color
- 16.4 Cover
- 16.5 Forma
- 16.6 Binding
- 16.7 Manpower
- 16.8 Estimate cost
- 16.9 Final cost

17. Management

- 17.1 Building
- 17.2 Machinery equipment
- 17.3 Raw materials
- 17.4 Quality controls and instruments
- 17.5 Man power
- 17.6 Transportation

18. नेपालमा छापाखाना सम्बन्धी ऐन,नियमहरु

- 18.1 छापाखाना र प्रकाशन सम्बन्धी ऐन, २०४८
- 18.2 छापाखाना र प्रकाशन सम्बन्धी नियमावली, २०४९
- 18.3 प्रतिलिपि अधिकार सम्बन्धी ऐन, २०५९

The bottom section of the page contains several handwritten signatures and initials. There are approximately 10-12 distinct marks, some in black ink and some in green ink, scattered across the lower half of the page. These appear to be signatures of various individuals, possibly related to the document's approval or review.

यस विषयको पाठ्यक्रमका एकाईहरूबाट सोधिने प्रश्नहरूको संख्या निम्नानुसार हुनेछ ।

एकाई नं. (Unit No.)	अङ्कभार (Weightage)	बहुवैकल्पिक प्रश्न (MCQs) को संख्या	छोटो उत्तर प्रश्नको संख्या	लामो उत्तर प्रश्नको संख्या
१	३०	१५	९ प्रश्न X ५ अङ्क=४५	३ प्रश्न X १० अङ्क=३०
२				
३				
४	२०	१५		
५				
६				
७				
८				
९	५०	२५		
१०				
११				
१२				
१३				
१४	५०	२०		
१५				
१६				
१७				
१८				
जम्मा	१५०	७५ प्रश्न X १ अङ्क=७५	९ प्रश्न X ५ अङ्क=४५	३ प्रश्न X १० अङ्क=३०

प्रयोगात्मक परीक्षाको पाठ्यक्रम

समय: ६० मिनेट

पूर्णाङ्क: ५०

उत्तीर्णाङ्क: २५

SN	Topics	Marks	Time (Min)
1	Safety Measurement	5	5
2	Machine Set up	10	10
3	Paper Measurement	5	10
4	Pin Accuracy	10	20
5	Spot & Multi Colour Combination	10	5
6	Binding	10	10

(Handwritten signatures and marks)