

लोक सेवा आयोग
स्थानीय तह अन्तर्गतका प्राविधिक तर्फ विविध सेवा, चौथो तह, सहायक कम्प्युटर अपरेटर पदको प्रतियोगितात्मक
परीक्षाको लागि पाठ्यक्रम

विषय - सेवा सम्बन्धी

1. Computer Fundamentals

- 1.1. Computer: - Definition, History, Generation, Characteristics, Types & Applications.
- 1.2. Overview of a computer system:-
 - 1.2.1. Data and data processing
 - 1.2.2. Hardware
 - 1.2.2.1. Definition of Hardware
 - 1.2.2.2. Input Unit: - Keyboard, Mouse, Scanner, etc
 - 1.2.2.3. CPU:- Arithmetic Logic Unit (ALU), Control Unit (CU), Memory Unit (MU)
 - 1.2.2.4. Output Unit:- Monitor, Printer, etc
 - 1.2.2.5. Storage devices:- Primary & Auxiliary Memory (Floppy Disk, Hard Disk, Compact Disk, DVD, Flash disk etc.)
 - 1.2.2.6. Others:- Network card, Modem, Sound card, etc.
 - 1.2.3. Software
 - 1.2.3.1. Definition & Types of Software
 - 1.2.3.2. Programming Language
 - 1.2.4. Liveware
 - 1.2.5. Firmware and Cache Memory
- 1.3. Setting & protection of Computer Room and Computer
- 1.4. Concept of Computer related threats (virus, worms, Trojan, phishing etc) remedies and protection
- 1.5. Concept of Multimedia
- 1.6. File Management basic:
 - 1.6.1. Physical Structure of the disk
 - 1.6.2. Concept of File and folder
 - 1.6.3. Wildcards and Pathname
 - 1.6.4. Type of files and file extensions
- 1.7. Computer Networking
 - 1.7.1. Introduction to Networking
 - 1.7.2. Types of Network (LAN, MAN, WAN etc)
 - 1.7.3. Concept of E-mail / Internet / Extranet / Intranet, World Wide Web (WWW)
 - 1.7.4. Familiarity with internet browsers (e.g Internet explorer, Firefox, Opera, Safari, Google Chrome etc)
- 1.8. Introduction to ASCII and Unicode standards

2. Operating System

- 2.1. Introduction to Operating System
- 2.2. Types of Operating System
- 2.3. Functions of Operating Systems
- 2.4. Command line operation (e.g. copy command, move command, command to view and set different file attributes etc)
- 2.5. Windows
 - 2.5.1. Introduction to GUI
 - 2.5.2. Introduction of Windows Operating System
 - 2.5.2.1. Basic Windows Elements - Desktop, Taskbar, My Computer, Recycle Bin, etc.
 - 2.5.2.2. Starting and shutting down Windows
 - 2.5.2.3. File Management with Windows Explorer
 - 2.5.2.4. Windows applications: (e.g. Control Panel, Character Map, Paint etc)

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- 2.5.2.5. Finding files of folders and saving the result
- 2.5.2.6. Starting a program by command line operation
- 2.5.2.7. Changing window settings
 - 2.5.2.7.1. Adding/Removing programs
 - 2.5.2.7.2. Clearing the contents of document menu
 - 2.5.2.7.3. Customizing the taskbar
 - 2.5.2.7.4. Control panel items
- 2.5.2.8. Creating shortcut (icons) on desktop
- 2.5.2.9. System tools:- disk scanning, disk defragmenter, backup, restore, format

3. Word Processing

- 3.1. Concept of Word Processing
- 3.2. Types of Word Processing
- 3.3. Introduction to Word Processor
 - 3.3.1. Creating, Saving and Opening the documents
 - 3.3.2. Elements of Word Processing Environment (Menu, Toolbars, Status bar, Rulers, Scrollbars, etc.)
 - 3.3.3. Copying, Moving, Deleting and Formatting Text (Font, Size, Color, Alignment, line & paragraph spacing)
 - 3.3.4. Finding and Replacing Text
 - 3.3.5. Familiar with Devnagari Fonts
 - 3.3.6. Creating lists with Bullets and Numbering
 - 3.3.7. Creating and Manipulating Tables
 - 3.3.8. Borders and Shading
 - 3.3.9. Use of Indentation and Tab Setting
 - 3.3.10. Creating Newspaper Style Documents Using Column
 - 3.3.11. Inserting Header, Footer, Footnotes, Endnotes, Page Numbers, File, Page break, Section break, Graphics, Pictures, Charts, Word Art, Symbols & Organization Chart
 - 3.3.12. Opening & Saving different types of document
 - 3.3.13. Changing Default settings
 - 3.3.14. Mail Merge
 - 3.3.15. AutoCorrect, Spelling and Grammar Checking, and Thesaurus
 - 3.3.16. Security Technique of Documents
 - 3.3.17. Setting Page Layout, Previewing and Printing Documents

4. Electronic Spreadsheet

- 4.1. Concept of Electronic Spreadsheet
- 4.2. Types of Electronic Spreadsheet
- 4.3. Organization of Electronic Spreadsheet application (Cells, Rows, Columns, Worksheet, Workbook and Workspace)
- 4.4. Introduction to spreadsheet application
 - 4.4.1. Creating, Opening and Saving Work Book
 - 4.4.2. Elements of Electronic Spreadsheet Environment (Menu, Toolbars, Status bar, Rulers, Scrollbars, etc.)
 - 4.4.3. Editing, Copying, Moving, Deleting Cell Contents
 - 4.4.4. Familiar with Devnagari Fonts
 - 4.4.5. Formatting Cells (Font, Border, Pattern, Alignment, Number and Protection)
 - 4.4.6. Formatting Rows, Column and Sheets
 - 4.4.7. Using Formula - Relative Cell and Absolute Cell Reference

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- 4.4.8. Using basic Functions
- 4.4.9. Generating Series
- 4.4.10. Changing default options
- 4.4.11. Sorting and Filtering Data
- 4.4.12. Summarizing Data with Sub Totals
- 4.4.13. Creating Chart
- 4.4.14. Inserting Header and Footer
- 4.4.15. Spell Checking
- 4.4.16. Importing from and Exporting into other Formats
- 4.4.17. Page Setting, Previewing and Printing

5. Database System

- 5.1. Introduction to Data, Database and DBMS
- 5.2. Basic Concept of Tables, Fields, Records, Relationships and Indexing
- 5.3. Introduction to database application
 - 5.3.1. Data Types
 - 5.3.2. Creating, Modifying & Deleting Tables/Forms/Repots

6. Presentation System

- 6.1. Introduction to presentation application
 - 6.1.1. Creating, Opening & Saving Slides
 - 6.1.2. Formatting Slides
 - 6.1.3. Slide Show
 - 6.1.4. Animation
 - 6.1.5. Inserting Built-in picture, Picture, Table, Chart, Graphs, Organization Chart etc.

7. Legislations and IT in Nepal

- 7.1. नेपालको संविधान (भाग १, देखि ५ तथा अनुसूचीहरू) (The Constitution of Nepal (From Part 1 to 5 and Schedules))
- 7.2. स्थानीय सरकार सञ्चालन ऐन, २०७४ मा सूचना सञ्चार प्रविधि सम्बन्धी व्यवस्था (Local Government Operation Act, 2074 (Provisions related to ICT))
- 7.3. IT Policy of Nepal

नमूना प्रश्नहरू (Sample questions)

- 1. Which of the following is not the input device ?
A. Mouse B. Light Pen C. Joystick D. Plotter
- 2. What is the command to delete a directory ?
A. delete B. del C. rd D. all of the above
- 3. From where do you install Fonts ?
A. Font icon of Control Panel B. Font Option of Format menu
C. Options submenu of Tools menu D. None of the above
- 4. What is the output if a cell containing a number 3245.45 is formatted to '#,####' number format ?
A. 3245.45 B. 3245.450 C. 3245 D. 3,245

प्रयोगात्मक परीक्षाका प्रश्नसंख्या निम्नानुसार हुनेछन्।

S.N.	Topics	No. of Questions	Marks	Time (Minutes)
1	Devnagari Typing* (Unicode also)	1	10	10
2	English Typing	1	5	5
3	Word processing Online Services use (google Docs or Microsoft 365, etc.), Email (attachments) send/receive	1	13	30
4	Electronic Spreadsheet	1	12	
5	Database Management System	1	5	
6	Presentation System device setup & use (printer, projector, wifi, etc.)	1	5	
	Total:-	6	50	45

नेपाल विविध सेवा, सहायक स्तर चौथो तह, सहायक कम्प्युटर अपरेटर वा सो सरह पदको खुला
प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

प्रयोगात्मक परीक्षाको Typing Skill Test को लागि निर्देशनहरू:-

१. देवनागरी Typing Skill Test को लागि २७० शब्दहरूका एउटा Text दिइनेछ र देहाय अनुसार अंक प्रदान गरिनेछ:-

११ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत - ० अंक

११ वा सोभन्दा बढी र १३ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत -३ अंक

१३ वा सोभन्दा बढी र १५ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत -४ अंक

१५ वा सोभन्दा बढी र १७ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत -५ अंक

१७ वा सोभन्दा बढी र १९ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत -६ अंक

१९ वा सोभन्दा बढी र २१ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत - ७ अंक

२१ वा सोभन्दा बढी र २३ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत - ८ अंक

२३ वा सोभन्दा बढी र २५ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत - ९ अंक

२५ वा सोभन्दा बढी शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत - १० अंक

२. English Typing Skill Test को लागि २२५ शब्दहरूका एउटा Text दिइनेछ र देहाय अनुसार अंक प्रदान गरिनेछ:-

८ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत - ० अंक

८ वा सोभन्दा बढी र १६ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत-१ अंक

१६ वा सोभन्दा बढी र २४ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत -२ अंक

२४ वा सोभन्दा बढी र ३२ भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत-३ अंक

३२ वा सोभन्दा बढी र ४० भन्दा कम शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत - ४ अंक

४० वा सोभन्दा बढी शुद्ध शब्द प्रति मिनेट (Correct Words/Minute) वापत - ५ अंक

3. Formula for calculation of correct word/minute:-

Correct words/minute = (Total words typed - wrong words)/10 (for Devanagari typing)

Correct words/minute = (Total words typed - wrong words)/5 (for English typing)

Note:

अंग्रेजी वा देवनागरी Typing Skill Test को लागि परीक्षामा दिइएको Text लाई आधार मानी टाइप गरेको Text सँग भिडाई चेक गरिनेछ। तत्पश्चात माथि उल्लेखित Criteria बमोजिम अंक दिइनेछ। दिइएको अंग्रेजी वा देवनागरी Text मा उल्लेखित स्थान बमोजिम परीक्षार्थीहरूले आफ्नो Text मा Punctuation टाइप नगरेको पाइएमा त्यसको शब्दमा गणना गरिने छैन ।