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मिति: २०८३/०५/२५

बिषय: सटलिस्ट सुची तथा लिखित परीक्षा र अन्तर्वार्ता प्रकाशन सम्बन्धि सुचना।

यस औरही गाउँपालिकाको स्थानीय शासन सबलीकरण कार्यक्रम(PLGSP) कार्यक्रम अनुसार रिक्त रहेको सुचना प्रविधि अधिकृत(सातौं तह सरह) करारमा कामकाज गराउन मिति २०८३/०४/२६ गतेको प्रकाशन सुचना अनुसार दरखास्त पेश भई आएका उमेदवारहरुको छनौट तथा सिफारिस समितिको मिति २०८३/०५/२२ गतेको निर्णय अनुसार देहाय बमोजिमका सटलिस्ट सुची तथा उमेदवारहरुलाई लिखित परीक्षाको लागि तपशिलका निम्न, मिति र समय र स्थानमा लिखित परीक्षा लागि उपस्थित हुन यसै सुचना माफत जानकारी गराइन्छ।

तपशिल

क्र. स.	आवेदकको नाम	कायम गरिएको सिम्बोल नं.	कैफियत
१	रोशन कुमार रजक	२०८३०८४२१	
२	रुपेश साह	२०८३०८४२२	
३	गौतम पंडित	२०८३०८४२३	
४	अंजन भट्टराई	२०८३०८४२४	
५	अमर कुमार कापर	२०८३०८४२५	
६	दिक्क्षा झा	२०८३०८४२६	
७	केशव यादव	२०८३०८४२७	
८	प्रतिक कर्ण	२०८३०८४२८	
९	हेमलता कुमारी यादव	२०८३०८४२९	
१०	विवेक कुमार यादव	२०८३०८४३०	
११	अनिल कुमार भण्डारी	२०८३०८४३१	
१२	हरeram शर्मा	२०८३०८४३२	

“व्यावसायिक र सिर्जनशील प्रशासन: विकास समृद्धि र सुशासन”



औरही गाउँपालिका गाउँ कार्यपालिकाको कार्यालय देउरी परवाहा, धनुषा

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मधेश प्रदेश, नेपाल

औरही गाउँपालिका
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देउरी परवाहा, धनुषा
मधेश प्रदेश

सुचना प्रविधि अधिकृत(सातौं तह सरह) को परीक्षा तालिका:

विज्ञापन नं.	परीक्षा हुने मिति	समय	स्थान
०१/०८३/०८४	२०८३/०६/१० गते(शनिवार)	११:०० बजे	औरही गा.पा., देउरी परवाहा

अन्तर्वार्ता: अन्तिम चरणको सीप परीक्षण र अन्तर्वार्ताको लागि पछि सुचना प्रकाशन गरिनेछ।

नोट: मिथी उल्लेखित सटलिस्ट सुचीमा कुनै दावी विरोध भए ३ दिन भित्र आवश्यक प्रमाण सहित सम्पर्क गर्नु हुन अनुरोध छ। समयावधि पछि कुनै कारवाहि नहुने कुराको समेत जानकारी गराईन्छ।

उमेश कुमार यादव

प्रमुख प्रशासकीय अधिकृत

उमेश कुमार यादव
प्रमुख प्रशासकीय अधिकृत

सुचना प्रविधि अधिकृत(सातौ तह सरह) को पाठ्यक्रम):

औरही गाउँपालिका
औरही गाउँपालिकाको कार्यालय
देउरी परवाहा, धनुषा



प्रदेश तथा स्थानीय शासन सबलीकरण कार्यक्रम(PLGSP) अन्तर्गत सुचना प्रविधि अधिकृत(सातौ तह सरह) पदको लागि सेवा करारको माध्यमबाट पदपूर्ति गर्न तयार गरिएको परीक्षा पाठ्यक्रम

पाठ्यक्रमलाई देहाय बमोजिम विभाजन गरिएको छः

परीक्षाको चरण	परीक्षाको किसिम	पूर्णाङ्क
प्रथम	बहु बैकल्पिक(Multiple Choice) बस्तुगत परीक्षा तथा लिखित परीक्षा(Written Examination)	७०
अन्तिम	सीप परीक्षण	१०
	अन्तर्वार्ता	२०
	जम्मा	१००

परीक्षा योजना (Examination Scheme)

१. प्रथम चरणः बहु बैकल्पिक(Multiple Choice) बस्तुगत परीक्षा तथा लिखित परीक्षा(Written Examination)

क्र.स.	विषय	पूर्णाङ्क	उत्तीर्णांक	परीक्षा प्रणाली	समय
क	बहु बैकल्पिक बस्तुगत तथा लिखित परीक्षा	७०	२८	बस्तुगत प्रश्न तथा लिखित परीक्षा	२ घण्टा ३० मिनेट

२. अन्तिम चरणः अन्तर्वार्ता

विषय	पूर्णाङ्क	उत्तीर्णांक	परीक्षा प्रणाली	समय
सीप परीक्षण	१०	४	प्रयोगात्मक	२० मिनेट
व्यक्तिगत अन्तर्वार्ता	२०		मौखिक	

- लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुनेछ।
- प्रथम चरणको बहु बैकल्पिक(Multiple Choice) बस्तुगत परीक्षा र लिखित परीक्षा(Written Examination) सोहि दिन संगै हुनेछ वा सोहि समयमा छुट्टाछुट्टै प्रश्नपत्र र उत्तर पुस्तिका रहनेछ।
- बहु बैकल्पिक(Multiple Choice) प्रश्नहरूको गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २० प्रतिशत अंक कट्टा गरिनेछ। तर उत्तर नदिएमा त्यस बापत अंक दिइने छैन र अंक कट्टा पनि गरिने छैन।
- बहु बैकल्पिक बस्तुगत तथा लिखित परीक्षामा कुनै प्रकारको calculator र mobile प्रयोग गर्न पाइने छैन।
- विषयगत प्रश्नहरूको हकमा तोकिएको अंकको एउटा लामो प्रश्न वा एउटै प्रश्नक दुई वा दुई भन्दा बढी भाग(Two or more parts of a single question) वा एउटा प्रश्न अन्तर्गत दुई वा दुई टिप्पणीहरू(short notes) सोध्न सकिने छ।
- सम्पूर्ण चरणको परीक्षाबाट प्राप्त कुल अंक योगका आधारमा अन्तिम परीक्षाफल प्रकाशित गरिनेछ।

पाठ्यक्रम

प्रथम पत्र (Paper I): General Subject

Part (I) : - General Awareness & General Ability Test

1. General Awareness and Contemporary Issues

- 1.1 Physical, socio-cultural and economic geography and demography of Nepal
- 1.2 Major natural resources of Nepal
- 1.3 Geographical diversity, climatic conditions, and livelihood & lifestyle of people
- 1.4 Notable events and personalities, social, cultural and economic conditions in modern history of Nepal
- 1.5 Current periodical plan of Nepal
- 1.6 Information on sustainable development, environment, pollution, climate change, biodiversity, science and technology
- 1.7 Nepal's international affairs and general information on the UNO, SAARC & BIMSTEC
- 1.8 The Constitution of Nepal (From Part 1 to 5 and Schedules)
- 1.9 Governance system and Government (Federal, Provincial and Local)
- 1.10 Provisions of civil service act and regulation relating to constitution of civil service, organisational structure, posts of service, fulfillment of vacancy and code of conduct
- 1.11 Functional scope of public services
- 1.12 Public Service Charter
- 1.13 Concept, objective and importance of public policy
- 1.14 Fundamentals of management : planning, organizing, directing, controlling, coordinating, decision making, motivation and leadership
- 1.15 Government planning, budgeting and accounting system
- 1.16 Major events and current affairs of national and international importance

2. General Ability Test

2.1 Verbal Ability Test

Jumble words, Series, Analogy, Classification, Coding-Decoding, Matrix, Ranking Order Test, Direction and Distance Sense Test, Common Sense Test, Logical Reasoning, Assertion and Reason, Statement and Conclusions

2.2 Numerical Ability Test

Series, Analogy, Classification, Coding, Arithmetical reasoning/operation, Percentage, Ratio, Average, Loss & Profit, Time & Work, Data interpretation & Data verification

2.3 Non-verbal/Abstract Ability Test

Figure Series, Figure Analogy, Figure Classification, Figure Matrix, Pattern Completion/Finding, Analytical Reasoning Test, Figure Formation and Analysis, Rule Detection, Water images, Mirror images, Cubes and Dice & Venn-diagram

पाठ्यक्रम

Part (II) : - General Technical Subject

1. **Computer Fundamentals**

- 1.1 Computers, Kinds of Computers in respect of size and function
- 1.2 Generation of Computers
- 1.3 Components and Architecture of Computers, Connecting the Components,
- 1.4 **Getting started:** Orientation to personal computers, system unit, Starting the computers
- 1.5 **Input Devices:** keyboard, mouse, other input devices
- 1.6 **Processing:** CPU, Memory
- 1.7 **Storages devices:** Overview of Storage Devices, Floppy Disk Drive, Hard Drive, Universal Serial Bus(USB) Devices and Other Storage Devices
- 1.8 **Output devices:** Monitors, Printers, Modems, Soundboards
- 1.9 **Dos survival guide:** Using Command Prompt, Creating and using AUTOEXEC.BAT and CONFIG.SYS
- 1.10 **Windows survival guide:** Windows Desktop, Program Manager, Organizing the Desktop, File Manager
- 1.11 **Application software:** Using Application Software
- 1.12 Windows Explorer, E-mails, Internet, Intranet, Extranets, Ethernet, HTTP
- 1.13 Computer Viruses, Antivirus

2. **Data Structure and Algorithms**

- 2.1 Fundamental of Data Structures, Abstract Data types
- 2.2 Lists, Linked Lists, Stacks
- 2.3 Queues, Priority Queue
- 2.4 **Trees:** Traversal, Implementations, Binary Trees, Binary Search Trees, Balanced Search Trees, AVL Trees
- 2.5 Indexing Methods. Hashing Trees, Suffix Trees
- 2.6 Worst-Case and Expected time Complexity
- 2.7 Analysis of Simple Recursive and Nonrecursive Algorithms
- 2.8 Searching, Merging and Sorting
- 2.9 **Introductory Notions of algorithm design:** Divide-and-Conquer, Dynamic Programming, Greedy Methods, Backtracking
- 2.10 **Graph algorithms:** Depth-first Search and Breadth-first Search, Shortest Path Problems, Minimum Spanning Trees, Directed Acyclic Graphs

3. **System Analysis and Design**

- 3.1 Definition of the System, System Owner, System User, System Designers and system Builders, System Analysts, Variations on the System Analyst title, System life Cycle
- 3.2 **Joint Application Development (JAD):** JAD definition, JAD purpose, JAD Philosophy, JAD Scope
- 3.3 **Involved in a JAD:** Sponsor, Business Users, System Analyst
- 3.4 **Roles of JAD Group Member:** Project Leader, Record Keeper, Time Keeper.
- 3.5 **The System Design Environment:** Development Process, Management Process, System Structure, Basic Component of Computer based Information System, Personal/ Centralized/Distribution System

पाठ्यक्रम

- 3.6 **Concept formations:** Introduction, Finding the Problem, Evaluating the Proposal, Technical Feasibility, Operational Feasibility, Economic Feasibility.
- 3.7 **Requirements analysis:** Representing System Analysis Model, Requirement Model, Design Model
- 3.8 **Development Process:** Design Method
- 3.9 **Entity Relationship Diagram (E-R Diagram):** Notations, Entities: Strong Entities, Weak Entities, Attributes: Simple and Composite, Single Valued and Multiple Valued, Null and Derived Attribute
- 3.10 **Relationship Sets:** Degree of Relationship and Cardinality Relationship, Specialization, Generalization, Aggregation
- 3.11 **Data Flow Diagrams (DFDs):** Introductions, Data flow Diagram, Symbol, Files or data store, External entities, Data flows,
- 3.12 **Describing System by Data Flow Diagram:** Context diagram, Top level DFD, Expansion Level DFD, Conversions of Data.
- 3.13 **Object Modeling:** Object -Oriented Concept, Object Structure, Object Feature, Class and Object
- 3.14 **Representation:** Association, Composition, Inheritance, Multiple Inheritances
- 3.15 **Modeling:** Use Case Diagram, State Diagram, Event Flow Diagram.
- 3.16 **Documentation:** Automatic and Manual System
- 4. **Operating Systems**
 - 4.1 Definition, Development and Functions of Operating Systems
 - 4.2 Basic components of the Operating Systems, Information Storage and Management Systems
 - 4.3 Disk Allocation and Scheduling Methods, Basic Memory Management strategies, Virtual Memory Management Techniques, Define a Process and features of the Process Management System
 - 4.4 Features of Process Scheduling; List the features of Inter-Process Communication and Deadlocks
 - 4.5 Concepts of Parallel and Distributed Processing, Identify Security Threats to Operating Systems
 - 4.6 Overview of the MS-DOS Operating System
 - 4.7 Introduction to the Windows Family of Products, Unix Family of Products, Linux Family of Products
 - 4.8 Introduction to Windows Networking
 - 4.9 Windows Architecture, Linux Architecture
 - 4.10 Troubleshooting Windows & Linux
 - 4.11 Managing Network Printing
 - 4.12 Managing Hard Disks and Partitions
 - 4.13 Monitoring and Troubleshooting Windows
 - 4.14 Users, Groups and Permission Linux and Windows
- 5. **Database Management System and Design**
 - 5.1 Introduction, A Database Model, Relational Database Model, Integrity, RDBMS
 - 5.2 SQL and Embedded SQL
 - 5.3 Writing Basic SQL SELECT Statements
 - 5.4 Restricting and Sorting data
 - 5.5 Single Row Functions
 - 5.6 Displaying Data from Multiple Tables

पाठ्यक्रम

- 5.7 Aggregation Data Using Group Functions
 - 5.8 Sub Queries, Manipulating Data and Creating & Managing Tables
 - 5.9 Creating Views and Controlling User Access
 - 5.10 Using Set Operators, Datetime Function
 - 5.11 **Database Design:** Logical Design, Conceptual Design, Mapping Conceptual to Logical, Pragmatic issues, Physical Design, Integrity and Correctness, Relational Algebra, Relational Calculus
 - 5.12 Normalization: 1NF, 2NF, 3NF, BCNF, 4NF, 5NF, DKNF
 - 5.13 **Architecture of DBMS:** Client-server, Open Architectures, Transaction Processing, Multi-User & Concurrency, and Backup & Recovery Database
 - 5.14 **Basic Concept of major RDBMS products:** Oracle, Sybase, DB2, SQL Server and other Databases
6. **Programming Language**
- 6.1 Overview of Programming Language: History, Programming Paradigms, The role of Language translates in the Programming Process.
 - 6.2 Fundamental Issues in Language Design.
 - 6.3 Virtual Machines, Code Generation, Loop Optimization.
 - 6.4 Concept of Procedural Programming, Structural Programming, Object-Oriented Programming.
 - 6.5 Concept of C programming, C++ Programming.
 - 6.6 Java Programming for Declaration, Modularity and Storage Management Software Development
7. **Networking**
- 7.1 **Basic Network Theory:** Network Definition, Network Models, Connectivity, Network Addressing.
 - 7.2 **Network Connectivity:** Data Package, Establishing a Connection, Reliable Delivery, Network Connectivity, Noise Control, Building Codes, Connection Devices
 - 7.3 **Advanced Network Theory:** OSI model, Ethernet, Network Resources, Token ring, FDDI, Wireless Networking
 - 7.4 **Common Network Protocols:** Families of Protocols, NetBEUI, Bridge and Switches, TCP/IP Protocol, Building TCP/IP Network, TCP/IP Suite
 - 7.5 **TCP/IP Services:** Dynamic Host Configuration Protocol, DNS Name Resolution, NetBIOS support, SNMP, TCP/IP Utilities, FTP
 - 7.6 **Network LAN Infrastructure:** LAN Protocols on a Network, IP Routing, IP Routing Tables, Router Discovery Protocols, Data Movement in a Routed Network, Virtual LANs(VLANS)
 - 7.7 **Network WAN Infrastructure:** WAN Environment, Wan Transmission Technologies, Wan Connectivity Devices, Voice Over Data Services
 - 7.8 **Remote Networking:** Remote Networking, Remote Access protocols, VPN Technologies
 - 7.9 **Computer Security:** Computer Virus, Worm, Trojan Horse
 - 7.10 **Network Security:** Introduction, Virus Protection, Local Security, Network Access, Internet Security
 - 7.11 **Disaster Recovery:** Need for Disaster Recovery, Disaster Recovery plan, Data backup, Fault Tolerance

पाठ्यक्रम

- 7.12 **Advanced Data Storage Techniques:** Enterprise Data Storage, Clustering, Network Attached Storage, Storage Area Networks
- 7.13 **Network Troubleshooting:** Using Systematic Approach to Troubleshooting.
- 7.14 **Network Support Tools:** Utilities, Network Baseline
- 7.15 **Network Access Points,** Common Network Component, Common Peripheral Ports
- 8. **Computer Architecture & Organization**
 - 8.1 Evaluation of Computers, Design Methodology, Set Architecture, MIPS ISA, ALU Design
 - 8.2 **Datapath Design:** Single and Multiple Cycle Implementations, Pipelining, Memory Hierarchy, Input/Output System: Bus & Role of Operating System
- 9. **Compiler Design**
 - 9.1 Introduction to Compiling
 - 9.2 Logical Analysis, Syntax Analysis, Semantic Analysis
 - 9.3 Run Time environment
 - 9.4 Intermediate Code Generation, Code Optimization
 - 9.5 Compiler Generation Tools
- 10. **E-Commerce Technology**
 - 10.1 Introduction to E-Commerce
 - 10.2 Electronic Commerce Strategies
 - 10.3 Electronic Commerce Security Issues
 - 10.4 Success Models of E-Governance
 - 10.5 **E-Business:** b2b, b2c, b2e, c2c, g2g, g2c
 - 10.6 Principles of Electronic Payment, Strategies & Systems
 - 10.7 E-marketing, Reverse Engineering
 - 10.8 E-Banking, EDI Methods, SWIFT
 - 10.9 Encryption and Decryption Methods, XML, Layout Managers, Event Model
- 11. **MIS and Web Engineering**
 - 11.1 Information Systems, Client-Server Computing
 - 11.2 Information Systems and Decision Making.
 - 11.3 Database Design issues, Data Mining, Data Warehousing
 - 11.4 Knowledge Management, The strategic use of Information Technology.
 - 11.5 Work Process Redesign (Reengineering) with Information Technology, Enterprise Resources Planning Systems, Information Systems Security, Information Privacy, and Global Information Technology issues
 - 11.6 Software Supported Demonstrations including advanced Spreadsheet topics Software Component Based Systems (CBSE)
 - 11.7 Multimedia
 - 11.8 Object-Oriented Programming with COMS & DECOMS
 - 11.9 Group Decision Support Systems
 - 11.10 Basics of Website Design
- 12. **IT in Nepal**
 - 12.1 History of IT in Nepal
 - 12.2 IT Policy of Nepal



पाठ्यक्रम

- 12.3 Electronic Transaction Act
- 12.4 Copyright Act
- 12.5 Uses of Computers and Software Development
- 12.6 Nepali Unicode, Nepali Fonts
- 12.3 Licensing Issues

