

प्रदेश लोक सेवा आयोग

गण्डकी प्रदेश

प्रदेश प्रशासन सेवा, विविध समूह तथा स्थानीय प्रशासन सेवा, तथ्याङ्क समूह, अधिकृत सातौं तहको तथ्याङ्क अधिकृत पदको खुला र अन्तरतह प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

यस पाठ्यक्रम योजनालाई दुई चरणमा विभाजन गरिएको छ :

प्रथम चरण :-	लिखित परीक्षा (Written Examination)	पूर्णाङ्क :- २००
द्वितीय चरण :-	(क) सामूहिक परीक्षण (Group Test)	पूर्णाङ्क :- १०
	(ख) अन्तर्वार्ता(Interview)	पूर्णाङ्क :- ३०

परीक्षा योजना (Examination Scheme)

प्रथम चरण : लिखित परीक्षा (Written Examination)

पूर्णाङ्क :- २००

पत्र	विषय	खण्ड	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली		प्रश्न संख्या X अङ्क	समय
प्रथम	General Subject	Part I: General Awareness & General Ability Test	१००	४०	वस्तुगत (Objective)	बहुवैकल्पिक प्रश्न (MCQs)	५० प्रश्न X १ अङ्क	१ घण्टा ३० मिनेट
		Part II: General Technical Subject					५० प्रश्न X १ अङ्क	
द्वितीय	Technical Subject		१००	४०	विषयगत (Subjective)	छोटो उत्तर लामो उत्तर	४ प्रश्न X ५ अङ्क ८ प्रश्न X १० अङ्क	३ घण्टा

द्वितीय चरण : सामूहिक परीक्षण (Group Test) र अन्तर्वार्ता (Interview)

पूर्णाङ्क :- ४०

पत्र / विषय	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली	समय
सामूहिक परीक्षण (Group Test)	१०		सामूहिक छलफल (Group Discussion)	३० मिनेट
अन्तर्वार्ता (Interview)	३०		बोर्ड अन्तर्वार्ता (Board Interview)	-

द्रष्टव्य :

- लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुनेछ ।
- प्रथमपत्र र द्वितीय पत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ ।
- वस्तुगत बहुवैकल्पिक (Multiple Choice) प्रश्नहरूको गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २० प्रतिशत अङ्क कटौत गरिनेछ । तर उत्तर नदिएमा त्यस बापत अङ्क दिइने छैन र अङ्क कटौत पनि गरिने छैन ।
- बहुवैकल्पिक प्रश्नहरू हुने परीक्षामा कुनै प्रकारको क्याल्कुलेटर (Calculator) प्रयोग गर्न पाइने छैन ।
- विषयगत प्रश्नहरूको हकमा तोकिएको अंकको एउटा लामो प्रश्न वा एउटै प्रश्नका दुई वा दुई भन्दा बढी भाग (Two or more parts of a single question) वा एउटा प्रश्न अन्तर्गत दुई वा बढी टिप्पणीहरू (Short notes) सोध्न सकिने छ ।
- द्वितीय पत्रमा (विषयगत प्रश्न हुनेका हकमा) प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तरपुस्तिकाहरू हुनेछन् । परीक्षार्थीले प्रत्येक खण्डका प्रश्नहरूको उत्तर सोही खण्डको उत्तरपुस्तिकामा लेख्नुपर्नेछ ।
- यस पाठ्यक्रम योजना अन्तर्गतका पत्र/विषयका विषयवस्तुमा जेसुकै लेखिएको भए तापनि पाठ्यक्रममा परेका कानून, ऐन, नियम तथा नीतिहरू परीक्षाको मिति भन्दा ३ महिना अगाडि (संशोधन भएका वा संशोधन भई हटाईएका वा थप गरी संशोधन भई) कायम रहेकालाई यस पाठ्यक्रममा परेको सम्झनु पर्दछ ।
- प्रथम चरणको परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ ।
- पाठ्यक्रम लागू मिति: २०८०/०७/०३

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प्रथम पत्र (Paper I): General Subject

Part (I) : - General Awareness & General Ability Test (50 Marks)

1. General Awareness and Contemporary Issues (25 ×1 Mark = 25 Marks)

- 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 (25 ×1 Mark = 25 Marks)

2.1 Verbal Ability Test (8×1 Mark = 8 Marks)

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 (9×1 Mark = 9Marks)

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 (8×1 Mark = 8 Marks)

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

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Part (B) : - General Technical Subject (50 Marks)

1. Probability and Distribution

(6%)

- 1.1 Basic rules of probability
- 1.2 Addition rule of probability
- 1.3 Independent and mutually exclusive events
- 1.4 Conditional probability
- 1.5 Multiplication rule of probability
- 1.6 Bayesian Probability

2. Random Variables

(14%)

- 2.1 Notion of random variable
- 2.2 Discrete and continuous random variables
- 2.3 Mathematical expectation
- 2.4 Probability distribution (Binomial, Poisson and Normal distributions)
- 2.5 Distribution of independent random variables
- 2.6 Notion of likelihood function

3. Mathematics for Statistics

(16%)

- 3.1 Rates, Ratios and Proportion
- 3.2 Number system
- 3.3 Logarithm
- 3.4 Permutation, combination and principle of counting
- 3.5 Principle of least square
- 3.6 Rank of a matrix
- 3.7 Inverse of a matrix
- 3.8 Determinant
- 3.9 Quadratic forms
- 3.10 Eigen values

4. Descriptive statistics

(14%)

- 4.1 Measures of central tendency (mean, median, mode, partition values (quartile, decile and percentile)
- 4.2 Measures of dispersion (Range, Quartile Deviation, Mean Deviation, Standard Deviation and Coefficient of variation)
- 4.3 Measures of skewness
- 4.4 Measures of kurtosis
- 4.5 Outliers, consequences, identification and remedial measures

5. Correlation and Regression

(10%)

- 5.1 Simple, partial and rank correlation
- 5.2 Multiple correlation and coefficient of determination
- 5.3 Simple and multiple linear regression
- 5.4 Assumptions of linear regression model
- 5.5 Measures and tests of goodness of fit of regression model
- 5.6 Tests for normality and linearity in regression
- 5.7 Logit models, assumptions and application

6. Estimation

(4%)

- 6.1 Properties of a good estimator
- 6.2 Methods of estimation
- 6.3 Types of estimation (point and interval)
- 6.4 Maximum likelihood estimator
- 6.5 Best linear unbiased estimator

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7. Hypothesis testing

(6%)

- 7.1 Simple and composite hypothesis
- 7.2 Type I and type II error
- 7.3 Level of significance, one tail and two tails tests
- 7.4 Concept of p-values and critical region
- 7.5 Procedure of hypothesis testing
- 7.6 Parametric (Z, t and F-tests) and non-parametric test (Chi-Square test)

8. Sampling methods and Distributions

(4%)

- 8.1 Probability and non-probability sampling
- 8.2 Probability sampling (Simple random sampling, stratified, systematic, cluster and multi-stage sampling)
- 8.3 Non-probability sampling (judgement, convenient, quota and snowball sampling)
- 8.4 Standard error
- 8.5 Sampling distribution
- 8.6 Distribution of sample means and sample proportions

9. Time-series Analysis

(2%)

- 9.1 Trends, and seasonal & cyclical variations
- 9.2 Autocorrelation and its test
- 9.3 Forecasting
- 9.4 Exponential smoothing

10. Economics

(4%)

- 10.1 Endogenous and exogenous variables
- 10.2 Absolute and relative change
- 10.3 Concept of marginal and elasticity
- 10.4 Consumption function, saving, capital formation and capital output ratio
- 10.5 Cobb-Douglas production function
- 10.6 Gini Coefficients

11. Questionnaire Design, Data collection and processing activities

(4%)

- 11.1 Questionnaire design
- 11.2 Validity and reliability of research tools
- 11.3 Data gathering process
- 11.4 Methods and techniques of data summarization/analysis
- 11.5 Errors in surveys and censuses: Control and measurement of errors
- 11.6 Data quality assessment

12. National accounts statistics of Nepal

(4%)

- 12.1 System of National Accounts (SNA) – fundamental principles, importance, uses
- 12.2 Macro-economic aggregates – Nominal and Real GDP, GNI, Consumption, Saving

13. Population statistics of Nepal

(4%)

- 13.1 Major sources of population data
- 13.2 Population censuses of Nepal
- 13.3 Composition and distribution of population
- 13.4 Fertility, Mortality, Migration, Marriage and Divorce
- 13.5 Population growth and population projection

14. Price and indexes

(4%)

- 14.1 Wholesale price, retail price
- 14.2 Consumers Price Index (CPI)
- 14.3 Producer Price Index (PPI)
- 14.4 Agricultural Production Index

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15. Human development and poverty statistics

(4%)

- 15.1 Latest HD status and poverty situation of Nepal
- 15.2 Sustainable Development Goals
- 15.3 Major sources of poverty statistics
- 15.4 Poverty measuring practices in Nepal
- 15.5 Latest Nepal Living Standard Survey (NLSS)
