



जोशीपुर गाउँपालिका
गाउँपालिकाको कार्यालय
जोशीपुर, कैलाली
सहायक चौथो तह, अमिन पदको
लिखित परीक्षाको पाठ्यक्रम

परीक्षा	विषय	पूर्णाङ्क	प्रश्न संख्या	समय	परीक्षा प्रणाली	उत्तीर्णङ्क
लिखित	सेवा सम्बन्धी	५०	५०	४५ मिनेट	वस्तुगत बहुउत्तर	२०

द्रष्टव्य :

१. यथासम्भव पाठ्यक्रमको सबै एकाइहरुबाट प्रश्नहरु सोधिनेछ ।
२. लिखित परीक्षामा गल्ती गरेको प्रश्नोत्तरका लागि २०% अङ्क कट्टा गरिनेछ ।

जोशीपुर गाउँपालिका
सहायक चौथो तह, अमिन पदको
लिखित परीक्षाको पाठ्यक्रम

1.Mathematics

- 1.1 Units & Conversion
- 1.2 Fraction, Decimal & Percentage
- 1.3 Measurement of Area, Volume of regular surface
- 1.4 Four simple rules in Algebra
- 1.5 Simple algebraic formulae
- 1.6 Plane geometrical figures & its properties
- 1.7 Pythagorastheorem
- 1.8 Trigonometrical function &ratio
- 1.9 Solution of Triangle
- 1.10 Circular measures
- 1.11 Height & Distance
- 1.12 Definition of Coordinate
- 1.13 Calculation of distance by coordinate

2.Map Introduction

- 2.1 Elements of map
- 2.2 Definition and Classification of map
- 2.3 Map preparation
- 2.4 Use/Importance of map
- 2.5Symbol: Types,Necessity,Properties
- 2.6 Scale: Small, Medium&Large
- 2.7 Legend &Marginal Information
- 2.8 ReferenceSystem: Geographical&Rectangular
- 2.9 Coordinate system
- 2.10 Grid system

2.11 Sheet Numbering of large scale maps

2.12 Contour & its properties

2.13 Data collection from map & data representation, Plotting & Profile drawing

3. Surveying & Methodology

3.1 Introduction of Surveying

3.1.1 Basic principles of Surveying

3.1.2 Definition of terms used in Surveying

3.1.3 Units & Measurements

3.1.4 Types & Construction of Scale

3.1.5 Linear & angular measurement

3.1.6 Bearing

3.1.7 Types of error and correction

3.1.8 Accuracy & Tolerance

3.2 Traditional Survey Techniques

3.2.1 Introduction and Application of Chain Survey

3.2.2 Introduction and Application of Compass Survey

3.2.3 Plane Table Survey

3.2.3.1 Introduction and Principle of Plane Table Survey

3.2.3.2 Plane table and its accessories

3.2.3.3 Application of Telescopic Alidade for Horizontal and vertical distances

3.2.3.4 Methods of Radiation, Intersection, Resection and Traversing

3.3 Cadastral Survey

3.3.1 Purpose, Importance and Methods of Cadastral Survey (Plane Table & Digital)

3.3.2 Preparation of Cadastral maps and preparation of land records

3.3.3 Procedures of preparing land records and land certificate, database

3.3.4 Maintenance of land records, land register, updating of database

3.3.5 Delineation/Demarcation of parcel boundary

3.4 Horizontal control surveying/Traversing/Triangulation/GNSS

3.4.1 Introduction

3.4.2 Principles

3.4.3 Importance and use

3.4.4 Reconnaissance and monumentation

3.4.5 Observation and field check

3.4.6 Preparation of Traverse chart

3.5 Vertical control surveying/Levelling

3.5.1 Introduction

3.5.2 Level line

3.5.3 Horizontal line

3.5.4 Mean sea level data [MSL data]

3.5.5 Bench mark

3.5.6 Reduced level

3.5.7 Relative height

3.5.8 Field procedure

3.5.9 Reduction of level

3.5.10 Sources of error

3.5.11 Precautions of leveling

4. Instruments & its Maintenance

4.1 Total Station/Theodolite

4.1.1 Principle and its application

4.1.2 Measurement of Horizontal Adjustment (H.A.) & Vertical Adjustment (V.A.)

4.1.3 Handling Care & Maintenance of Equipments

4.2 GNSS Equipment

4.2.1 Introduction & Application

4.2.2 Types of GNSS

5. कानून सम्बन्धी सामान्य ज्ञान

- 5.1 नेपालको संविधान (भाग १, २, ३, १७ र १८ तथा अनुसूचीहरू)
- 5.2 स्थानीय सरकार सञ्चालन ऐन, २०७४ मा जग्गा जमीन सम्बन्धी व्यवस्था
- 5.3 जग्गा (नाप जाँच) ऐन, २०१९
- 5.4 जग्गा (नाप जाँच) नियमावली, २०३२
- 5.5 मोही सम्बन्धी व्यवस्था
- 5.6 फिल्ड सर्जमिन मुचुल्का तयार गर्ने विधि