



भजनी नगरपालिका
नगर कार्यपालिकाको कार्यालय
भजनी, कैलाली
सुदूरपश्चिम प्रदेश, नेपाल
२०७३

सर्भेक्षक पद, पाँचौ तहको प्रतियोगितात्मक परीक्षाको लागि पाठ्यक्रम

प्रथम चरण : छोटो सुची :-

पूर्णाङ्क ८०

द्वितीय चरण :- लिखित परीक्षा

पूर्णाङ्क १००

विषय	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली	प्रश्न संख्या X अङ्कभार	समय
सेवा सम्बन्धी	१००	४०	बस्तुगत बहुवैकल्पिक (Multiple Choice)	५० प्रश्न X २ अङ्क = १००	४५ मिनेट

तृतीय चरण :- अन्तर्वार्ता

पूर्णाङ्क २०

विषय	पूर्णाङ्क	परीक्षा प्रणाली
अन्तर्वार्ता	२०	मौखिक

दृष्टव्यः

१. यो पाठ्यक्रम योजनालाई छोटो सुची, लिखित परीक्षा र अन्तर्वार्ता गरि तिन चरणमा विभाजन गरिएको छ।
२. बस्तुगत बहुवैकल्पिक प्रश्नहरूको गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २०% अंक कट्टा गरिने छ, तर उत्तर नदिएमा त्यस बापत अंक दिइने छैन र अंक कट्टा पनि गरिने छैन।
३. परीक्षामा कुनै प्रकारको क्याल्कुलेटर प्रयोग गर्न पाइने छैन।
४. दोश्रो चरणको लिखित परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र तृतीय चरणको अन्तर्वार्तामा सम्मिलित गराइने छ।

विषय :- सेवा सम्बन्धी

1. Surveying and Mapping

1.1 Introduction

1.1.1 Principles of Surveying,

1.1.2 Definition of terms used in Surveying,

1.1.3 Units and measurement,

1.1.4 Types and constructions of Scale,

1.1.5 Linear and angular measurements,

1.1.6 Area and volume,


1.1.7 Bearing and convergence,

1.1.8 Types of errors and correction,

1.1.9 Solution of Triangles,

1.1.10 Chain Survey,

1.1.11 Tacheometric Survey,


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- 1.1.12 Levelling,
- 1.1.13 Traversing,
- 1.1.14 Triangulation,
- 1.1.15 Trilateration,
- 1.1.16 Plane Table Survey,
- 1.1.17 GNSS (GPS) Survey,
- 1.1.18 Grid and Graticules,
- 1.1.19 Universal Transverse Mercator Projection,
- 1.1.20 Sheet design and numbering for Topographical Base Maps,
- 1.1.21 Map Scale and Symbols,
- 1.1.22 Contouring and hill shading,
- 1.1.23 Generalisation of details,
- 1.1.24 Name Collection and Accuracy of Maps.
- 1.2 Equipment and their uses
- 1.2.1 Magnetic Compass
- 1.2.2 Chain, Tapes,
- 1.2.3 Plane Table,
- 1.2.4 Theodolite,
- 1.2.5 Level,
- 1.2.6 Distance Meter,
- 1.2.7 Stereoscope,
- 1.2.8 Telescopic Alidade,
- 1.2.9 Tacheometer,
- 1.2.10 Drawing and Scribing tools and Materials,
- 1.2.11 Vacuum Contact Printer,
- 1.2.12 Light Source Process Camera,
- 1.2.13 Offset Press.
- 1.3 Survey Computations
- 1.3.1 Techniques of field book checking,
- 1.3.2 Computation of elevations from levelling field books,
- 1.3.3 Computation of Co-ordinates by traversing and triangulation Survey for third and fourth order ground control points,
- 1.3.4 Preparation of control chart and bench mark chart.
- 2. Techniques of Map making and their use**
- 2.1 Map making procedure of small scale maps
- 2.2 Topographical base maps and large scale maps
- 2.3 Method of reconnaissance
- 2.4 Monumentation
- 2.5 Observation for Third and Fourth order control points
- 2.6 Spirit levelling methods and their procedure for establishment of third and fourth order bench marks
- 3. Cadastral Survey and records**
- 3.1 Sheet design and Sheet numbering for cadastral map.
- 3.2 Control point plotting.


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- 3.3 Plot (Parcel) numbering land plot survey and field book preparation.
- 3.4 Area measurements.
- 3.5 Notification and methods of land registration procedure.
- 3.6 Classification of Land
- 3.7 Preparation of land records and land ownership Certificate.
- 3.8 Departmental Circular related to the registration of land ownership.
- 3.9 Care and maintenance of field books and cadastral plans.
- 3.10 Delineation of field plot boundary.
- 3.11 Up-dating of cadastral maps land field books.

4. Engineering Survey

- 4.1 Irrigation
 - 4.1.1 Surveying and mapping for intake and command area and proposed canal,
 - 4.1.2 Alignment Survey for Canal,
 - 4.1.3 X-Section and L-Section or Canal alignment.
- 4.2 Roads
 - 4.2.1 Alignment Survey,
 - 4.2.2 Setting out Curves,
 - 4.2.3 X-Section and L-Section of road alignment,
 - 4.2.4 Establishment of bridge abutments.
- 4.3 Hydro electric power
 - 4.3.1 Surveying for intake and power house site,
 - 4.3.2 Alignment Survey for transmission line.
- 4.4 Surveying for Building Construction
 - 4.4.1 Large scale mapping for building design,
 - 4.4.2 Selection of building site,
 - 4.4.3 Demarcation of building site,
 - 4.4.4 Urban Survey.
- 4.5 Mining and Geological Survey
 - 4.5.1 Instrument used for the mining and Geological Survey,
 - 4.5.2 Idea of Geological land mineral maps, Geological and Geomorphological Symbols,
 - 4.5.3 Land use map,
 - 4.5.4 Tunnel Survey.

5. कानून सम्बन्धि सामान्य जानकारी

- 5.1 नेपालको संविधान (भाग १, २, ३, ४, ५ 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 मालपोत ऐन, २०३४ (जग्गा दर्ता, नाप नक्सा सम्बन्धी व्यवस्था)
- 5.6 मालपोत नियमावली, २०५५ (जग्गा दर्ता, नाप नक्सा सम्बन्धी व्यवस्था)
- 5.7 मोही सम्बन्धी व्यवस्था
- 5.8 फिल्ड सर्जमिन मुचुल्का तयार गर्ने विधि




निमित्त प्रमुख प्रशासकीय अधिकृत