नेपाल सरकार
गृह मन्त्रालय
सशस्त्र प्रहरी बल प्रधान कार्यालय
(मानवश्रोत विकास विभाग, भर्ना तथा छनौट शाखा)

प्राविधिक सशस्त्र प्रहरी सहायक निरीक्षक, कम्प्युटर तर्फ, जि.आई.एस्. टेक्निसियन पदको खुल्ला प्रतियोगात्मक प्रयोगात्मक परिक्षाको पाठ्यक्रम

प्रयोगात्मक परीक्षा पूर्णाङ्क :- ५०

प्रयोगात्मक परीक्षा योजना (Examination Scheme)

विषय	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली	समय
(क) प्रयोगात्मक-परीक्षा	५०	२५	प्रयोगात्मक	९० मिनेट

1. **Basic Concept on Computer Fundamentals**
   1.1 Hardware and Network Devices Identification

2. **Data Unit Conversions**
   2.1 Data Conversion in different format
   e.g. DD°MM.MMM' => DD°MM'SS.SSS"

3. **GIS Tools(e.g.** ArcView, ArcGIS, ERDAS Imagine, QGIS, Google Earth)
   3.1 2D and 3D Analyst, Visualizing Data, Spatial Overlay, Projection System, Scale and Resolution , Import & Export , Query, Modeling, Clipping, Cropping, Dissolve, Merge and more about toolbox
   3.2 Terrain analysis for hydrological and hydraulic modelling
   3.3 Map projections and coordinate systems,
   3.4 Processing of digital geographic information
   3.5 Creation of digital elevation models, Mapping of water and environmental features, Watersheds, streams and aquifers delineation

4. **Topographic Map**
   4.1 Map Readings
   4.2 Topographic Map Layout: Legends, Convection, Scale, Color and all basic requirements

5. **Global Positioning System (GPS) and Web GIS**
   5.1 GPS Handling
   5.2 Navigation: Map to Ground, Ground to Map
   5.3 Web GIS