

खुल्ला प्रतियोगिता लिखित परीक्षाको पाठ्यक्रम

सहायकस्तर
Assistant Civil Lab
प्रथम पत्र (वस्तुगत)

पूर्णाङ्क: १×१००=१००
समय: ३:०० घण्टा

१. नेपालको भूगोल तथा जनसंख्या
२. नेपालको इतिहास, संस्कृति र सामाजिक व्यवस्था
३. राष्ट्रिय तथा अन्तर्राष्ट्रिय संघ तथा संगठनहरू
४. नेपालको आर्थिक विकास
५. समसामयिक नवीनतम घटनाक्रमहरू
६. पूर्वाञ्चल विश्वविद्यालयको ऐन २०५० (संशोधन सहित)
७. पूर्वाञ्चल विश्वविद्यालयको नियमावली २०५३ (संशोधन सहित)
८. कर्मचारी प्रशासन विधि पक्षहरू
९. शिक्षासँग सम्बन्धित निकायहरू तथा तिनको क्षेत्राधिकार
१०. नेपालमा विश्वविद्यालयहरूको स्थापना तथा विश्वविद्यालय अनुदान आयोग (UGC) सम्बन्धी ज्ञान

सहायकस्तर
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द्वितीय पत्र (विषयगत)

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1. **Engineering Drawing** : Computer Aided Drafting (CAD) software, point, line, rectangle, arc, polygon, ellipse, use of Copy command, use of Mirror command, use of array command, fillet command, Creation of layer, Creation of text styles, dimensioning
2. **Construction Materials**:
 - a. Construction materials available in different geographic regions of Nepal and their applications
 - b. Testing of construction material: aggregates, cement, sand, brick and bituminous materials
 - c. Soil test : different test of coarse soil and fine soil
3. **Construction Technology**:
 - a. Brick and stone masonry work, concrete work, flooring and Finishing work
 - b. Construction procedure of different building components
 - c. Concept of rural technology and alternate energy

4. **Engineering Drawing:**
 - a. fundamentals of drawing and types of technical drawing
 - b. Drawings of simple residential building
 - c. tracing of drawing, ammonia print and photocopying.
5. **Engineering Surveying:**
 - a. Basic principle of surveying
 - b. Fundamental works of surveying
 - c. Different types of surveying using compass, plane tabling, leveling, tachometric for road, canal, water supply and trail bridge alignments
 - d. Preparation of simple contour map
6. **Estimating Costing and Supervision:**
 - a. Estimating of quantities and costing of simple engineering structures
 - b. Nepal government's accounting format and procedures for construction works, and
 - c. Supervisory techniques for different civil engineering construction sites.
7. **Road and Trail Bridge:**
 - a. Historical development of road network in Nepal
 - b. Road alignment and highway geometric elements
 - c. Various road construction materials, equipment and plant
 - d. Different types of road constructions Technology
 - e. construction of different road related structures
 - f. maintenance of roads : Routine, recurrent, periodic
 - f. Selection of materials and construction of short span trail bridge through community participation
8. **Water Supply, Sanitary and Irrigation Engineering:**
 - a. Different water sources and source selection criteria
 - b. components of gravity water supply system
 - c. Installation and repair work of simple plumbing fittings
 - d. installation and repair work of minor sanitary fittings and fixtures
 - e. Various types of river training works
 - f. Elements of irrigation canal system
 - g. Site selection of intake for irrigation system
9. **पू.वि. सम्बन्धी नियम:**
 - पू.वि. सभा, प्राज्ञिक परिषद्, कार्यकारी परिषद्, विद्यापरिषद् र सेवा आयोगको काम, कर्तव्य र अधिकारबारे जानकारी
 - पू.वि. शिक्षक कर्मचारी सेवा सम्बन्धी नियम २०५३ संशोधन सहित

