

लिखित परीक्षा पाठ्यक्रम  
सूचना प्रविधि सहायक  
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- 2.11. Basic concepts of Hubs, Switches, Gateways, and Routers LAN
- 2.12. Protocols on a Network, IP Routing, IP Routing Tables, Router Discovery Protocols, Data Movement in a Routed Network, Virtual LANs (VLANs)
- 2.13. The WAN Environment, Wan Transmission Technologies, Wan Connectivity Devices, Voice Over Data Services
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- 2.15. Remote Networking: Remote Networking, Remote Access protocols, VPN Technologies.
- 2.16. Computer Security: Computer Virus, Worm, Trojan Horse.
- 2.17. Network Security: Introduction, Virus Protection, Local Security, Network Access, Internet Security.
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## E-learning and Pedagogy Expert

1. e-Learning vs Traditional Learning
  - a. Forms of e-learning
  - b. e-learning vs conventional learning: nature of learner, teachers, knowledge construction, learning management etc.
  - c. Effectiveness of e-learning in different disciplines
2. Learning Management System(LMS) and its Operation
  - 2.1. Commercial LMS
  - 2.2. Open Source LMS
  - 2.3. Designing and Customization of LMS
  - 2.4. Social media and other communication media and its synchronization into LMS for education and research purpose
3. E-learning Authoring Tools
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## 4. Open Source Software

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### 4.2. Open Source Software use in higher education and research

### 4.3. Use of Social media in education

## 5. Learning theory and instructional design

### 5.1. Learning theories – cognitivism, constructivism, connectivism, network learning

### 5.2. Distance and Online Pedagogy

### 5.3. Use of learning theories in instructional design

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#### b. Learning approach and Instructional design

## 6. Education Management Information System

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### 6.2. Data input, process, result and presentation

### 6.3. Security system and data security

## 7. Policy and Rules

### 7.1. IT and ICT policy

### 7.2. National and International laws and rules related to ICT use in education and management: Plagiarism, cyber law, etc.

### 7.3. NOU IT policy and ethics



## तेस्रो पत्र

विश्वविद्यालय सम्बन्धि ऐन नियमहरु र अभ्यास

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- विश्वविद्यालय संगठन संरचना र अधिकार बाँडफाँड
- नेपाल खुला विश्वविद्यालय ऐन, नियमहरु र निर्देशिकाहरु र यसको कार्यान्वयन
- विश्वविद्यालय प्रशासनको राष्ट्रिय तथा अन्तर्राष्ट्रिय अभ्यास
- उच्चशिक्षमा स्वायत्तता, विकेन्द्रिकरण र अधिकार निच्छेपण
- नेपाल खुला विश्वविद्यालयको ऐन नियमहरुमा अधिकार प्रत्यायोजन र प्रशासनमा स्वायत्तताको अवस्था
- विश्वविद्यालय विद्युतिय प्रशासन व्यवस्थापन