Pokhara university Service Commission
Curriculum for Instructor Level Examination
(Computer Applications )

Full marks: 100

Part-A : Higher Education in Nepal : An Overview :- 30

2. Introduction of Multi-University concept.
3. Pokhara University and its function with special reference to
   a. Pokhara university Council
   b. Academic council
   c. Service Commission

Part-B

An Overview:- 70

1. **Semiconductor devices**: Junction diodes, Zener diodes, Transistors, MOSFETs, Integrated Circuits.
2. **Power Supplies and safety**: sources of e.m.f., Rectifier circuits, Power control.
4. **Analogue Electronics**: Amplifiers and feedback, Impedance matching, Operational amplifiers.
5. **Digital Electronics**: Logic gates, Numbering systems, Logic circuit designs, bistable and Astable Multivibrators, Binary counters, Registers and memories, Digital systems.
7. **Computer Software**: history and significance, Systems software, Application software, Software issues, Programming languages, Enterprise software.
8. **Managing Organisational Data and Information**: Databases ( modern approach), Database Management System, Logical Data Model, Data Warehouses.
9. **The Internet and Intranets**.
10. **Applying Information Technology for Competitive Advantage**