University of Computer Studies (Monywa)
2025-2026 Academic Year
Scope for M.C.Sc. and M.C.Tech. Entrance Examination

1. Data Structure and Algorithms

Reference Book: Data Structures & Algorithms in Java (Second Edition) by Robert Lafore

2. C++ Programming

Reference Book: Object-Oriented Programming in C++ (Fourth Edition) by Robert Lafore

3. Java Programming

Reference Book: Introduction to Java Programming (Third Edition) by Y. Daniel Liang

4. Operating Systems

Reference Book: Operating Systems Internals and Design Principles (9th Edition) by William Stallings

5. Database Management System

Reference Book: Database System Concepts (7th Edition) by Abraham Silberschatz, Henry F. Korth, S. Sudarshan

6. Introduction to Software Engineering

Reference Book: (1) Roger. S. Pressman, "Software Engineering, A Practitioner's Approach", 8th edition, 2015

(2) Iron Sommerville, "Software Engineering", Global Edition, 10th edition, 2016

(3) Rajib Mall, "Fundamentals of Software Engineering", Fourth Edition, 2014

7. Digital Logic Design

Reference Book: Digital Fundamentals (11th Edition) by Thomas L. Floyd

8. Computer Networking

Reference Book: (1) Top-Down Approach (8th Edition), (6th Edition): James F. Kurose and Keith W. Ross

(2) TCP/IP Protocol Suite (4th Edition): Behrouz A. Forouzan