



NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT

**SYLLABUS FOR THE WRITTEN EXAMINATION FOR THE POST OF
ASSISTANT MANAGERS IN GRADE 'A'**

COMPUTER - INFORMATION TECHNOLOGY

(THE SYLLABUS IS ILLUSTRATIVE AND NOT EXHAUSTIVE)

The syllabus is illustrative and not exhaustive. The syllabus should not be considered as the only source of information while preparing for the examination. Keeping in view the nature of examination, all matters falling within the realm of the subject concerned will have to be studied by the candidate as questions can be asked on all relevant matters under the subject. Candidates appearing for the examination should also prepare themselves for answering questions that may be asked on the current/latest developments/Acts taking place under the subject(s) although those topics may not have been specifically included in the syllabus.

- Introduction to Software
- Computer Fundamentals
- Data Structure, File structure and programming through 'C', 'C++', 'Java' and 'Python'
- Elements of Systems Analysis and Design
- Numerical and Statistical Computing
- Data Communication and Networks
- Computer Architecture and Network Architecture
- Object Oriented Systems
- Database Management Systems including RDBMS
- Software Engineering
- Operating Systems
- Management Information Systems
- Internet of Things (IoT), Mobile Computing
- Design and analysis of Algorithms
- Basic of AI, ML and natural language processing
- Cyber Security
- Big data Analytics
- Data Modelling and Analytics
- Concept of data visualisation using reporting tools
- Data warehousing with Analytical capabilities and virtual data management
- API usage for cross user interaction and data exchange
