

UPPSC Computer Operator Exam Pattern/ Syllabus 2019

APPENDIX-4

Plan of Examination for the post of Programmer and Programmer Grade-1, Programmer Grade-2 and Computer Operator Grade "B".

For Programmer and Programmer Grade-1

- (1) There shall be one objective type question paper of which the time will be 2 hours.
- (2) There shall be 85 questions and 170 marks. Each question carrying 02 marks.

Distribution of marks

Topics	No. of Questions	Marks
(a) Computer Application	75	150
(b) English Comprehension (Unseen Passage)	10	20
Total	85	170

For Programmer Grade-2

- (1) There shall be one objective type question paper of which the time will be 2 hours.
- (2) There shall be 85 questions and 170 marks. Each question carrying 02 marks.

Distribution of marks

Topics	No. of Questions	Marks
(a) Computer Application	50	100
(b) Logical Ability	15	30
(c) Mathematics (Fundamental Concepts)	10	20
(d) English Comprehension (Unseen Passage)	10	20
Total	85	170

For Computer Operator Grade "B"

- (1) There shall be one objective type question paper of which the time will be 2 hours.
- (2) There shall be 85 questions and 170 marks. Each question carrying 02 marks.

- (3) In the question paper 50 questions will be based on essential eligibility no. 1 and 35 questions will be based on essential eligibility no. 2 and 3 respectively.
- (4) The English and Hindi type Test will be of 27.5-27.5 marks (Total 55 Marks)
- (5) The Time period for English and Hindi Type Test shall be 10 minutes each.
- (6) The minimum essential required speed of Hindi type on computer is 25 w.p.m. and English type on computer is 40 w.p.m.
- (7) The result shall be prepared on the basis of total 225 marks in which 170 marks of written test and 55 marks of Hindi and English type writing.

Distribution of marks

Topics	No. of Questions	Marks
(a) Exposure to Computer System and Application	50	100
(b) Logical Ability	10	20
(c) General Awareness	15	30
(d) English Comprehension (Unseen Passage)	10	20
Total		170
(e) English and Hindi Typing (Each of 27.5 marks)		55
Total	85	225

APPENDIX-5

Syllabus

For Programmer and Programmer Grade-1

- Computer-based statistical & Numerical methods, Discrete Structures
- Programming and Problem Solving through C and C++
- Data Structures through C and C++
- Object Oriented Programming through Java
- Computer System Architecture
- Database Management System with working knowledge on FoxPro/ Oracle/Ingress/Sybase/DB/JET etc.
- Structured System Analysis and Design
- Operating Systems, UNIX and Shell Programming
- Automata Theory and Compiler Design
- Data Communication and Network Technologies with case studies on NOVELL/Windows NT
- Wireless and Mobile Communication, Network Management, Cryptography and Information Security

- Computer Graphics and Multimedia, Digital Image Processing, Visual Programming
- Software Engineering & CASE Tools, Software Testing & Quality Management, Software Project Management
- Artificial Intelligence, Neural Networks, Data Warehouse & Data Mining
- INTERNET Technology, Web Design and Web Services
- Parallel Computing
- Machine Learning and Python
- E-Commerce

For Programmer Grade-2

Exposure To Computer Application include following :

- (1) OS : Windows/Unix Commands & Tools
- (2) Programming Language : C, C++, JAVA
- (3) Scripting Languages : JAVA Script, Perl etc.
- (4) DATABASE : Basic Concepts, Queries, Transact
- (5) DBMS Packages : MSAccess, ORACLE, MYSQL, SQL Server
- (6) WEB SERVER : Deployment and knowledge of PHP, (APACHE IIS) ASP, NET
- (7) NETWORK : Internet working, Internet Socket programming skills
- (8) Web Content Development : HTML/XML exposure
- (9) Document preparation : Working knowledge of Office Suite

For Computer Operator Grade "B"

(a) Course for Aptitude Test—The Computer operator needs to assist Programmer and higher ups in day to day operations. He/she must have basic knowledge of Computing System with different operating system (live windows/Unix) and have working knowledge of one or two programming languages. He/she may also have exposure on DBMS packages. They should be good in information ordering and possess oral and written comprehensive skills.

The point wise syllabus is as follows :

- (1) OS : Working knowledge with essential commands of Windows/Unix.
- (2) Programming Languages: Programming skills in C and C++ or JAVA
- (3) Document Preparation : Deep exposure in Office Suites
- (4) DBMS Packages : Data Entry skills in different DBMS packages like MS Access, ORACLE, MYSQL etc.
- (5) Internet : Exposure on Web Server and Web Page management

Secretary