

EMPLOYEES' OLD-AGE BENEFITS INSTITUTIONS (EOBI)

Syllabus:

2024 LUMS-EOBI Written Test for Assistant Director IT Cadre (Grade-07, Equivalent to BPS-17)

Part 1: Advanced Computational and IT Application Skills (40%)

Computational Problem-Solving Skills

- Software development and coding skills in high-level programming.
- Software programming concepts and methodologies:
 - Syntax
 - Structured programming.
 - Object-oriented programming.
 - Model-View-Controller (MVC) coding.
 - Multi-threading.
- Full-stack programming concepts.

Proficiency in MS Office

- Office 365, Word, Excel, PowerPoint, Power BI, etc.
- Using Excel for data analysis (formulas, charts, VBA).

Data Storage and Shared Spaces on Cloud

- OneDrive.
- GitHub.
- Dropbox.
- Others.

Web & Mobile Application Development Methodologies and Tools

- Languages & Frameworks for front-end and back-end programming.
- UI/UX libraries for cross platform implementation,
- Styling.
- Data handling.
- APIs and services.
- Storage and networking.
- Testing and deployment.

New emerging technologies:

- Artificial intelligence tools.
- Large language models and tools.

Part 2: Communication Skills (20%)

The communication skills test will have three components to assess candidates' abilities in various aspects of what makes up this subject.

- A. There will be a short passage (typically around 400 words) and have five-six multiple-choice questions.
- B. There will be questions which will be about filling in the blanks and candidates will be expected to choose from the list of given answers.

- C. There will be multiple-choice questions about various components of communication skills and candidates would be expected to choose the right answer from the list of provided options.

Part 3: Analytical Skills & Data Response (20%)

The test of analytical skills and data response will cover logical reasoning, problem solving, and critical thinking. It will include data interpretation through graphs, charts, tables, and data sets, focusing on drawing inferences. Numerical ability will be tested with basic arithmetic, percentages, ratios, and word problems. Basic descriptive statistics like mean, median, and mode will be included, along with data visualization using various charts and graphs. Additionally, case studies and real-world applications will assess the interpretation of data and draw actionable insights.

Part 4: IT Skills (20%)

This part of the test is aimed at examining computer skills of the candidates in communication using email and other tools; documentation and word processing; data manipulation using spreadsheets such as Excel; presentation authoring e.g., use of power point; internet usage such as search engines, portals, websites, and social media. The mode of examinations for this portion of the written test could be multiple-choice questions, structured questions, or true-false questions.