PGDAC Study Schedule (6 Jan – 11 Jan 2026)

This schedule divides study time **equally across all subjects** before your exams start on **12 January 2026**.
Assumptions:

- Start from **6 January** (since now it's evening of 5 January).
- Approx. **10 hours/day of study** plus breaks.
- Equal weight to 8 subjects:
  1. C++ Programming
  2. Object Oriented Programming with Java
  3. Algorithms and Data Structures (Using Java)
  4. Web Programming Technologies
  5. Aptitude
  6. Database Technologies
  7. Microsoft .NET Technologies
  8. Concepts of OS & Software Development Methodologies
  9. Web-based Java Programming

Each day you will touch **all 9 subjects** with shorter focused blocks.

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6 January 2026 (Day 1)

Morning

- 08:00 – 09:00 — C++ Programming
  - Topics: Basics, control statements, functions, arrays.
- 09:00 – 10:00 — Java (OOP)
  - Topics: Class, object, constructors, this, super.
- 10:15 – 11:15 — Algorithms & Data Structures (Using Java)
  - Topics: Time complexity, arrays, linked lists.
- 11:15 – 12:15 — Web Programming Technologies
  - Topics: HTML structure, forms, basic CSS.

Afternoon

- 01:00 – 02:00 — Aptitude
  - Topics: Percentages, ratios, simple interest.
- 02:00 – 03:00 — Database Technologies
  - Topics: DBMS basics, keys, constraints.
- 03:15 – 04:15 — Microsoft .NET Technologies
  - Topics: C# basics, data types, control structures.
- 04:15 – 05:15 — OS & SDM
  - Topics: Types of OS, process states, SDLC overview.

Evening

- 07:00 – 08:00 — Web-based Java Programming

- Topics: Overview of servlets/JSP, request–response basics.
- 08:15 – 09:00 — Quick revision
  - 10–15 MCQs mixed from any 2 subjects you felt weaker in today.

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7 January 2026 (Day 2)

Morning

- 08:00 – 09:00 — C++ Programming
  - Topics: Pointers, references, dynamic memory (new/delete).
- 09:00 – 10:00 — Java (OOP)
  - Topics: Inheritance, abstract classes, interfaces.
- 10:15 – 11:15 — Algorithms & DS
  - Topics: Stack and queue (array/linked implementation).
- 11:15 – 12:15 — Web Programming Technologies
  - Topics: CSS layouts (flexbox), basic responsive design.

Afternoon

- 01:00 – 02:00 — Aptitude
  - Topics: Time & work, time–speed–distance.
- 02:00 – 03:00 — Database Technologies
  - Topics: ER diagrams, relational model, mapping rules.
- 03:15 – 04:15 — Microsoft .NET Technologies
  - Topics: Classes, objects, properties, methods in C#.
- 04:15 – 05:15 — OS & SDM
  - Topics: CPU scheduling (FCFS, SJF, RR).

Evening

- 07:00 – 08:00 — Web-based Java Programming
  - Topics: Servlet lifecycle (init, service, destroy).
- 08:15 – 09:00 — Mixed practice
  - 5 coding questions (2 C++, 2 Java, 1 DS).

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8 January 2026 (Day 3)

Morning

- 08:00 – 09:00 — C++ Programming
  - Topics: Function overloading, operator overloading.
- 09:00 – 10:00 — Java (OOP)
  - Topics: Exception handling, try–catch–finally, custom exceptions.
- 10:15 – 11:15 — Algorithms & DS
  - Topics: Searching algorithms (linear, binary) + complexity.
- 11:15 – 12:15 — Web Programming Technologies
  - Topics: JavaScript basics (variables, functions, DOM).

Afternoon

- 01:00 – 02:00 — Aptitude
  - Topics: Averages, mixtures & allegations.

- 02:00 – 03:00 — Database Technologies
    - Topics: Basic SELECT queries, WHERE, ORDER BY.
- 03:15 – 04:15 — Microsoft .NET Technologies
    - Topics: Exception handling in C#, basic collections.
- 04:15 – 05:15 — OS & SDM
    - Topics: Deadlocks (conditions, prevention, avoidance).

Evening

- 07:00 – 08:00 — Web-based Java Programming
    - Topics: Handling request parameters, response, sessions.
- 08:15 – 09:00 — Mixed MCQs
    - 10–15 MCQs covering DBT + Aptitude.

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9 January 2026 (Day 4)

Morning

- 08:00 – 09:00 — C++ Programming
    - Topics: Inheritance, virtual functions, polymorphism.
- 09:00 – 10:00 — Java (OOP)
    - Topics: Collections (List, Set, Map), iterators.
- 10:15 – 11:15 — Algorithms & DS
    - Topics: Sorting (bubble, selection, insertion).
- 11:15 – 12:15 — Web Programming Technologies
    - Topics: DOM manipulation, events, basic form validation.

Afternoon

- 01:00 – 02:00 — Aptitude
    - Topics: Profit & loss, discounts.
- 02:00 – 03:00 — Database Technologies
    - Topics: Joins (INNER, LEFT, RIGHT), GROUP BY, HAVING.
- 03:15 – 04:15 — Microsoft .NET Technologies
    - Topics: Basic overview of ASP.NET / web forms / MVC pattern.
- 04:15 – 05:15 — OS & SDM
    - Topics: Memory management, paging, segmentation.

Evening

- 07:00 – 08:00 — Web-based Java Programming
    - Topics: JSP basics, directives, scriptlets, JSP lifecycle.
- 08:15 – 09:00 — Short test
    - 15–20 questions (mix of C++, Java, DS).

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10 January 2026 (Day 5)

Morning

- 08:00 – 09:00 — C++ Programming
  - Topics: File handling (ifstream, ofstream, fstream).
- 09:00 – 10:00 — Java (OOP)
  - Topics: Multithreading basics, thread lifecycle, Runnable, Thread.
- 10:15 – 11:15 — Algorithms & DS
  - Topics: Recursion basics, tree traversal (inorder, preorder, postorder).
- 11:15 – 12:15 — Web Programming Technologies
  - Topics: Putting together a small web page (HTML+CSS+JS).

Afternoon

- 01:00 – 02:00 — Aptitude
  - Topics: Permutations & combinations / probability basics.
- 02:00 – 03:00 — Database Technologies
  - Topics: Subqueries, views, indexes.
- 03:15 – 04:15 — Microsoft .NET Technologies
  - Topics: ADO.NET basics / data access concepts (if in syllabus).
- 04:15 – 05:15 — OS & SDM
  - Topics: File systems, process synchronization basics (semaphores, mutex).

Evening

- 07:00 – 08:00 — Web-based Java Programming
  - Topics: MVC pattern in web apps (controller, view, model in Java web).
- 08:15 – 09:00 — Mixed practice
  - Solve previous day's weak areas (choose 2–3 subjects).

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11 January 2026 (Day 6 — Final Full Prep Day Before Exams)

Morning

- 08:00 – 09:00 — C++ Programming (Revision)
  - Go through your C++ summary sheet, important programs & pitfalls.
- 09:00 – 10:00 — Java (OOP) (Revision)
  - Revise class diagram → code mapping, exceptions, collections.
- 10:15 – 11:15 — Algorithms & DS (Revision)
  - Focus on complexity, search, sort, stack, queue, trees.
- 11:15 – 12:15 — Web Programming Technologies (Revision)
  - HTML5, CSS basics, JS events and form validation.

Afternoon

- 01:00 – 02:00 — Aptitude (Revision)
  - Quick formula sheet, solve 10–15 mixed questions.
- 02:00 – 03:00 — Database Technologies (Revision)
  - Joins, group by, subqueries, views, normalization list.

- 03:15 – 04:15 — Microsoft .NET Technologies (Revision)
    - Overview of syntax, OOP in C#, basic framework concepts.
- 04:15 – 05:15 — OS & SDM (Revision)
    - Read summary notes: CPU scheduling, deadlocks, memory, SDLC models.

Evening

- 07:00 – 08:00 — Web-based Java Programming (Revision)
    - Servlet/JSP lifecycle, common objects, simple flow of a request.
- 08:15 – 09:00 — Final light revision
    - Only notes and key formulas, no new questions. Sleep early.

How to Use This Schedule

1. **Equal Time Rule**
   Each day you spend roughly **1 hour per subject**, so all subjects get covered fairly.
2. **Flexibility**
    - If you feel particularly weak in any subject (e.g., DS or DBT), you can borrow 30 minutes from a stronger subject on that day.
    - Keep the structure (all 9 subjects daily) but shift small chunks.
3. **PDF Use**
    - Save/print this document as PDF.
    - Tick off each block as you finish it.
    - Add your own bullet notes under each block if needed.
4. **During Exam Days (12–16 Jan)**
    - Use shorter revision slots focusing on the next day's paper, but still give at least **20–30 minutes** to the others so no subject is completely dropped.

You can ask for a **separate detailed exam-days schedule (12–16 Jan)** if you want those days broken down hour-by-hour as well.