

# **SSC CPO Examination**

## **EXAM 2027**

BY A TEAM OF EXPERTS



**Copyright © 2027**

© Copyright Reserved with the Author

Printed in India

**Corporate Office:**

V-6/7, DLF City Phase-III, Gurgaon, Haryana-122002, INDIA.

Phones: 01244257812 , 9811213855 e-mail: [contact@heedpublication.com](mailto:contact@heedpublication.com)

MRP: ₹990/-

**Bulk Sales**

Heed Publications Pvt Ltd offers excellent discounts on this book when ordered in quantity for bulk purchases or special sales. Heed Publications books may be purchased for educational, business, or sales promotional use. For general information on our other products and services or to obtain technical support, please contact: 0124-4257812, +91-9811213855 or and you can also buy books from online bookstore at [www.heedpublications.com](http://www.heedpublications.com)

---

**All rights reserved.** No part of this book shall be reproduced, stored in a retrieval system, or transmitted by any means, electronic, mechanical, photocopying, recording, or otherwise, except as permitted under Sections of the 1956 Copyright Act of India, without either the prior written permission of the Publisher, or authorisation through payment of the appropriate per-copy fee to the Copyright Clearance should be addressed to the Permissions Department Heed Publications Private Limited, V-6/7, Dlf City Phase-III, Gurgaon, Haryana-122002, India. No patent liability is assumed with respect to the use of the information contained herein. Although every precaution has been taken in the preparation of this book, the publisher and author assume no responsibility for errors or omissions. Nor is any liability assumed for damages resulting from the use of the information contained herein. Limit of Liability/Disclaimer of Warranty: The publisher and the author make no representations or warranties with respect to the accuracy or completeness of the contents of this work and specifically disclaim all warranties, including without limitation warranties of fitness for a particular purpose. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Neither the publisher nor the author shall be liable for damages arising herefrom. The fact that an organization or Web site is referred to in this work as a citation and/or a potential source of further information does not mean that the author or the publisher endorses the information the organization or Web site may provide or recommendations it may make. Further, readers should be aware that Internet Web sites listed in this work may have changed or disappeared between when this work was written and when it is read.

**TRADEMARKS:** Heed publication , the success image, is trademarks or registered trademarks of Heed Publications Private Limited and/or its affiliates, in India and other countries, and may not be used without written permission. All other trademarks (if appeared or mentioned in the book) are the property of their respective owners. Heed Publications Private Limited, is not associated with any product or vendor mentioned in this book.

## Contents.

|                                        |     |
|----------------------------------------|-----|
| SSC CPO Examination Syllabus.....      | 2.  |
| Preface .....,.....                    | 3   |
| SECTION I – MATHS .....,.....          | 4   |
| Latest Trends in Maths.....            | 7   |
| SECTION- II . REASONING.....           | 335 |
| Latest Trends in Reasoning.....        | 349 |
| SECTION III – GENERAL ENGLISH.....     | 453 |
| GRAMMAR .....,.....                    | 453 |
| VOCABULARY(Word Power).....            | 510 |
| COMPOSITION(Essays and Letters).....   | 519 |
| SECTION IV– GENERAL AWARENESS .....    | 541 |
| INDIAN ECONOMY .....,.....             | 541 |
| PROFESSIONAL KNOWLEDGE.....            | 577 |
| INDIAN HISTORY .....                   | 629 |
| INDIAN GEOGRAPHY.....                  | 642 |
| INDIAN POLITY.....                     | 652 |
| GENERAL...SCIENCE.....                 | 660 |
| CURRENT..AFFAIRS.....                  | 668 |
| Space and Defence Technology.....      | 677 |
| Artificial Intelligence.....           | 697 |
| Computer..Knowledge.....               | 702 |
| Psychometric Test .....                | 722 |
| How to Prepare for Banking Exams ..... | 730 |
| Latest on Sports .....                 | 731 |

**SSC CPO Syllabus**

The SSC CPO Examination is conducted by the Staff Selection Commission for the recruitment of Sub-Inspectors in Delhi Police and Central Armed Police Forces (CAPFs).

The syllabus is designed to evaluate a candidate's reasoning ability, numerical aptitude, language skills, and general awareness. The examination mainly consists of Paper I, Physical Tests (PET/PST), Paper II, and Medical Examination.

The written syllabus is divided into Paper I and Paper II, each covering specific subjects and topics that candidates must prepare thoroughly.

**SSC CPO Paper I Syllabus**

Paper I is an objective-type examination consisting of four major sections: General Intelligence and Reasoning, General Knowledge and General Awareness, Quantitative Aptitude, and English Comprehension.

**SSC CPO Paper II Syllabus**

Paper II mainly focuses on English Language and Comprehension and evaluates advanced understanding of English grammar, vocabulary, and comprehension skills.

## Preface

The SSC CPO Examination is one of the most important competitive examinations conducted by the Staff Selection Commission for the recruitment of Sub-Inspectors in Delhi Police and the Central Armed Police Forces (CAPFs). These positions play a crucial role in maintaining internal security, preventing crime, and ensuring law and order across the country. As a result, the examination process is designed to select candidates who possess the required intellectual ability, discipline, and physical fitness necessary for police service. The selection process consists of multiple stages including Paper I, Physical Standard Test (PST), Physical Efficiency Test (PET), Paper II, and Medical Examination. Each stage evaluates different aspects of a candidate's capabilities. The written examinations assess reasoning ability, quantitative skills, language proficiency, and general awareness, while the physical tests ensure that candidates meet the required standards of fitness and endurance needed for law enforcement duties.

A clear understanding of the syllabus is essential for effective preparation. The syllabus provides a structured outline of all the topics from which questions may be asked in the examination. By studying the syllabus carefully, candidates can plan their preparation strategy, identify important areas, and allocate sufficient time for each subject.

Preparation for the SSC CPO examination requires consistent practice, conceptual clarity, and regular revision. Candidates should strengthen their fundamentals in reasoning and mathematics, stay updated with current affairs, and improve their English language skills through reading and writing practice. With proper planning, dedication, and disciplined preparation, aspirants can successfully clear the examination and pursue a rewarding career in the police forces of India..

..

..

# Section I: Maths.

## Methodology in Brief.

### BODMAS

BODMAS is a rule that tells us the correct order in which mathematical operations should be done. It is used when a question has more than one operation like addition, subtraction, multiplication, division, powers, or brackets. If we do not follow a proper order, we may get the wrong answer. BODMAS stands for Brackets, Orders, Division, Multiplication, Addition and Subtraction.

Brackets are solved first. Brackets can be of different types such as small brackets ( ), square brackets [ ], and curly brackets { }. When brackets are inside each other, we solve the innermost bracket first and then move outward. For example, in the expression  $8 + (5 - 3)$ , we first solve the bracket  $5 - 3 = 2$ , and then add  $8 + 2 = 10$ . Orders mean powers and roots. For example,  $2^3$  means  $2 \times 2 \times 2$  which equals 8. Similarly,  $\sqrt{49}$  equals 7. In an expression like  $3 + 2^2$ , we first calculate  $2^2 = 4$  and then add  $3 + 4 = 7$ . After brackets and orders, we solve division and multiplication. Division and multiplication are done from left to right, whichever comes first. For example, in  $10 \div 2 \times 3$ , we first divide  $10 \div 2 = 5$  and then multiply  $5 \times 3 = 15$ . We do not multiply first because we must move from left to right.

After division and multiplication, we solve addition and subtraction. These are also done from left to right. For example, in  $15 - 5 + 2$ , we first subtract  $15 - 5 = 10$  and then add  $10 + 2 = 12$ .

It is important to understand that BODMAS does not mean division is always done before multiplication or addition is always done before subtraction. Division and multiplication are equal in priority and are solved from left to right. Addition and subtraction are also equal in priority and are solved from left to right. Let us take a complete example. Consider  $18 \div 3 \times 2 + 4 - 1$ . First we do division:  $18 \div 3 = 6$ . Then multiplication:  $6 \times 2 = 12$ . Then addition:  $12 + 4 = 16$ . Then subtraction:  $16 - 1 = 15$ . So the final answer is 15.

Another example is  $12 - 4 \times 2 + 3^2$ . First solve the power:  $3^2 = 9$ . Then multiply:  $4 \times 2 = 8$ . Now the expression becomes  $12 - 8 + 9$ . Moving left to right,  $12 - 8 = 4$  and  $4 + 9 = 13$ . So the answer is 13. Therefore, BODMAS helps us solve mathematical expressions correctly by following a fixed order. First brackets, then orders, then division and multiplication from left to right, and finally addition and subtraction from left to right. If we follow this rule carefully, we will always get the correct answer.

### Other Methodologies

Ratio and Proportion (Value Variation Logic)

Description: When value is directly proportional to the square of weight, we write

Value  $\propto$  (weight)<sup>2</sup>

Therefore, Value =  $k \times (\text{weight})^2$

where  $k$  is the constant of proportionality.

Let the two broken pieces have weights  $5x$  and  $8x$ .

Original weight =  $5x + 8x = 13x$

Original value

=  $k(13x)^2$