

For All One Day Examinations
A Unique book
of
Mathematics

- **S.S.C.** : D.E.O., Income Tax Inspector, Central Excise Inspector, Assistant Grade & Auditor etc.
- **Bank** : P.O. and Clerk in R.B.I., S.B.I., U.B.I. & NABARD etc.
- **Railway** : A.S.M., Goods Guard, T.C. & C.C. etc.
- **Police Recruitment** : C.P.O., S.I., I.T.P.F., C.R.P.F., C.I.S.F., I.B. & Constable etc.
- **Teacher Recruitment** : TET, CTET, SUPER TET, NET, SLET
- **PET** : Lekhpal, Secretary, VDO
- **MBA** : CAT, MAT, etc.
- **PSC** : State Public Service Commissions
- **UPSC** : CSAT, SCRA, CDS, NDA etc.

Dr. S.D. Yadav



Sharda Pustak Bhawan

Publishers & Distributors

New Mumfordganj, Parayagraj-211002

Publisher :

Sharda Pustak Bhawan

Publishers and Distributors

610/479/1 New Mumfordganj, Prayagraj-211002

☎ : 0532-2644643 📞 : 9198888981

✉ : spballd@gmail.com, spballd@yahoo.in

🌐 : shardapustakbhawan.com

© **Dr. S.D. Yadav**

First Edition : **2013**

Sixth Edition : **2019**

Seventh Revised Edition : **2024**

Price : ₹ 560.00

Computer Composing :

Comptek Graphics, Prayagraj

Printed at :

Printex India, Prayagraj

ISBN : **978-81-964516-7-7**

Every possible effort has been made to shun errors in this publication. Any type of error or discrimination, if noted, may be brought to our knowledge, which will be positively corrected in our next edition. It is notified that the publisher, author or book seller would not be liable for any damage or loss to anyone of any kind. The reader must cross check all the facts and contents with original Government notification or publications.

Table of Contents

ARITHMETIC		
1	Number System	1-39
2	Number Series	40-50
3	H.C.F. and L.C.M.	51-82
4	Fraction	83-106
5	Age Relation	107-112
6	Partnership	113-120
7	Alligation or Mixture	121-131
8	Simplification	132-157
9	Ratio and Proportion	158-201
10	Percentage	202-246
11	Profit and Loss	247-288
12	Discount	289-322
13	Simple Interest	323-345
14	Compound Interest	346-372
15	Work and Time	373-423
16	Pipe and Cistern	424-440
17	Speed, Time and Distance	441-470
18	Trains	471-494
19	Boat and Stream	495-505
20	Average	506-540
GEOMETRY		
21	Polygons and Their Angles	541-552
22	Triangle and It's Various Kinds of Center	553-582
23	Similarity and Congruency of Triangles	583-591
24	Circle, Cord and Tangent	592-622
COORDINATE GEOMETRY		
25	Coordinates of the Points	623-630
26	Various Centres of the Triangle in Coordinates	631-637
27	Distance and Area	638-653
28	Equation of the Line	654-667

MENSURATION

29	Areas and Perimeters	668-700
30	Volume and Surface Area	701-734
31	Prism and Piramid	735-751

TRIGONOMETRY

32	Trigonometrical Ratios	752-769
33	Trigonometrical Ratios of Complementary Angles	770-780
34	Degree and Radian Measures	781-787
35	Trigonometric Identities	788-802
36	Heights and Distances	803-824

SCHOOL ALGEBRA

37	Linear Equation in Two Variables	825-833
38	Quadratic Equations	834-843
39	Application of Algebraic Formulae	844-865
40	Indices and Surds	866-887

DATA INTERPRETATION

41	Histogram	888-891
42	Tabulation	892-900
43	Line-Graph	901-906
44	Bar-Graph	907-918
45	Pie-Chart	919-928