

CDS 2 2024

SSBCrack
EXAMS

LIVE

MATHS

STUDY PLANS

ANALYSIS

NAVJYOTI SIR

SSBCrack
EXAMS



13 May 2024 Live Classes Schedule

8:00AM	13 MAY 2024 DAILY CURRENT AFFAIRS	RUBY MA'AM	✓
9:00AM	13 MAY 2024 DAILY DEFENCE UPDATES	DIVYANSHU SIR	✓

SSB INTERVIEW LIVE CLASSES

9:00AM	OVERVIEW OF SRT & SDT	ANURADHA MA'AM
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AFCAT 2 2024 LIVE CLASSES

10:00AM	REASONING - STUDY PLAN & ANALYSIS	RUBY MA'AM
11:30AM	MATHS - STUDY PLAN & ANALYSIS	NAVJYOTI SIR
1:00PM	ENGLISH - STUDY PLAN & ANALYSIS	ANURADHA MA'AM
2:30PM	STATIC GK - STUDY PLAN & ANALYSIS	DIVYANSHU SIR

NDA 2 2024 LIVE CLASSES

10:00PM	MATHS - STUDY PLAN & ANALYSIS	NAVJYOTI SIR
11:30PM	GK - STUDY PLAN & ANALYSIS	RUBY MA'AM
2:00PM	ENGLISH - STUDY PLAN & ANALYSIS	ANURADHA MA'AM

CDS 2 2024 LIVE CLASSES

3:30PM	GK - STUDY PLAN & ANALYSIS	RUBY MA'AM
5:00PM	ENGLISH - STUDY PLAN & ANALYSIS	ANURADHA MA'AM
6:30PM	MATHS - STUDY PLAN & ANALYSIS	NAVJYOTI SIR



All About CDS 2 2024 Exam

Union Public Service Commission (UPSC) will publish CDS 2 2024 exam official notification on May 2024 for admission of unmarried males/ females to the Indian Military Academy, Officers' Training Academy, Indian Naval Academy, and Indian Air Force Academy.



CDS 2 2024 Important Dates to Remember

No.	Important Events	Dates
1.	Notification Release Date	15 May 2024
2.	Starting date for Submission of Application	15 May 2024
3.	Last date for Submission of Application	04 June 2024
4.	Release of Admit Card	2 Weeks Before Exam
5.	Date of the Examination	01 September 2024 (SUNDAY)
6.	Declaration of Results	Oct – Nov 2024

CDS 2 2024 Tentative Exam Vacancies

Academy	Vacancies
IMA Dehradun	100
INA Ezhimala	22
AFA Hyderabad	32
OTA Chennai (Men)	170
OTA Chennai (Women)	17
TOTAL	341



CDS 2 2024 Selection Procedure



CDS 2 2024 Exam Pattern

- For Admission to Indian Military Academy, Indian Naval Academy, and Air Force Academy:

PAPER	SUBJECT	DURATION	QUESTIONS	MARKS
I	English	2 Hours	120	100
II	General Knowledge	2 Hours	120	100
III	Elementary Mathematics	2 Hours	100	100

- For Admission to Officers' Training Academy:

PAPER	SUBJECT	DURATION	QUESTIONS	MARKS
I	English	2 Hours	120	100
II	General Knowledge	2 Hours	120	100

CDS Previous Years' Written Cut-off Marks

Cut-off Marks (Written Result) of the Last Recommended / Qualified Candidate (out of 300/200 marks)					
Exam Years	IMA	INA	AFA	OTA (M)	OTA (F)
CDS 1 2024	TO BE UPDATED				
CDS 2 2023	TO BE UPDATED				
CDS 1 2023	132	122	142	101	101
CDS 2 2022	126	118	136	98	98
CDS 1 2022	136	128	147	100	100
CDS 2 2021	138	132	148	102	102
CDS 1 2021	145	136	158	107	107
CDS 2 2020	139	134	152	97	97
CDS 1 2020	130	118	143	93	93

CDS Previous Years' Final Cut-off Marks

Final Cut-off Marks (Result After Interview) of the Last Recommended Candidate (out of 600/400 marks)

Exam Years	IMA	INA	AFA	OTA (M)	OTA (F)
CDS 1 2024	TO BE UPDATED				
CDS 2 2023	TO BE UPDATED				
CDS 1 2023	257	247	266	181	184
CDS 2 2022	249	248	258	180	179
CDS 1 2022	258	256	269	181	184
CDS 2 2021	263	256	270	183	184
CDS 1 2021	268	260	281	189	191
CDS 2 2020	263	257	279	179	178
CDS 1 2020	250	242	274	173	177

CDS 2 2024 Expected Cut-off Marks

ACADEMY	SECTIONAL CUT-OFF
IMA	20% in each paper
INA	20% in each paper
AFA	20% in each paper
OTA (Men)	20% in each paper
OTA (Women)	20% in each paper

ACADEMY	EXPECTED CUT-OFF
IMA	140 - 150 ✓
INA	130 - 140 ✓
AFA	150 - 160 ✓
OTA (Men)	100 - 110 ✓
OTA (Women)	100 - 110 ✓

CDS 2 2024 Expected Cut-off Marks

SUBJECT	TOTAL MARKS	CUT-OFF MARKS				
		IMA	INA	AFA	OTA (M)	OTA (F)
English	100	20	20	20	20	20
General Knowledge	100	20	20	20	20	20
Mathematics	100	20	20	20	-	-
Total Marks	300	60	60	60	40/200	40/200
Expected Last Recommended Candidate (Written Exam) Cut Off	300/200	140 – 150	130 – 140	150 – 160	100 – 110	100 – 110
Expected Last Recommended Candidate (After Interview) Cut Off	600/400	240 – 260 ✓	220 – 240 ✓	250 – 280 ✓	150 – 170 ✓	150 – 170 ✓

CDS 2 2024 Exam Pattern

- For Admission to Indian Military Academy, Indian Naval Academy, and Air Force Academy:

PAPER	SUBJECT	DURATION	QUESTIONS	MARKS
I	English	2 Hours	120	100
II	General Knowledge	2 Hours	120	100
III	Elementary Mathematics	2 Hours	100	100

- For Admission to Officers' Training Academy:

PAPER	SUBJECT	DURATION	QUESTIONS	MARKS
I	English	2 Hours	120	100
II	General Knowledge	2 Hours	120	100

CDS 2 2024 Marking Scheme

SUBJECT	NO. OF QUESTIONS	TOTAL MARKS	CORRECT ANSWER	WRONG ANSWER
English	120	100	0.83 Marks	0.27 Marks
General Knowledge	120	100		
Elementary Mathematics	100	100	1 Mark ✓	0.33 Marks γ
TOTAL	340	300		

Marking Scheme in CDS 2 2024 Maths Paper

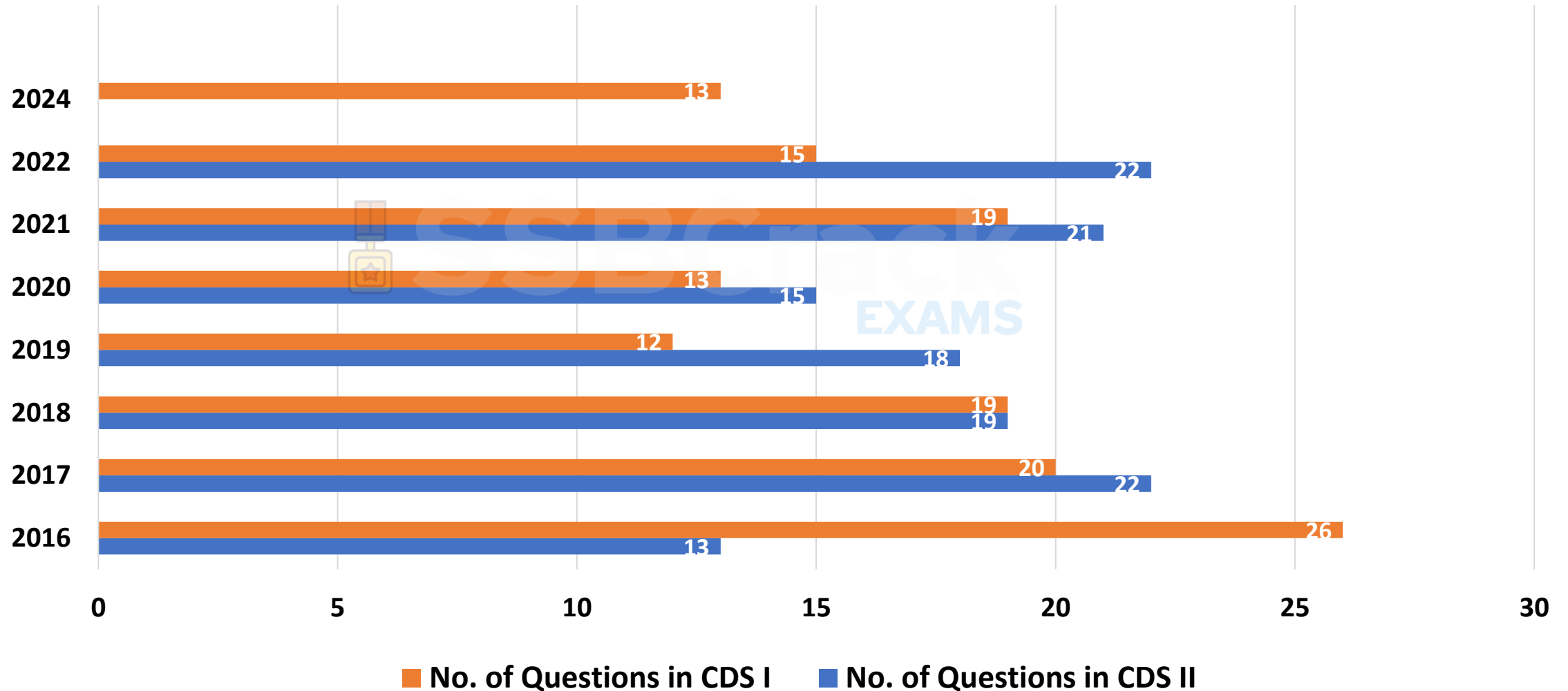
- 1 Question = **1 mark**
- Negative marking = **0.33 marks for every incorrect answer**
- Total no. of Questions = **100**
- Total no. of Marks = **100 marks**

CDS 2 2024 Elementary Maths Syllabus

- Algebra ✓
- Geometry ✓
- Number System ✓
- Trigonometry
- Mensuration 2D
- Mensuration 3D
- Statistics ✓
- Speed, Distance & Time ✓
- Ratio & Proportion ✓
- Time & Work / Pipes and cisterns
- Simple & Compound Interest
- Profit & Loss
- Average
- Percentage
- Logarithms
- Set Theory

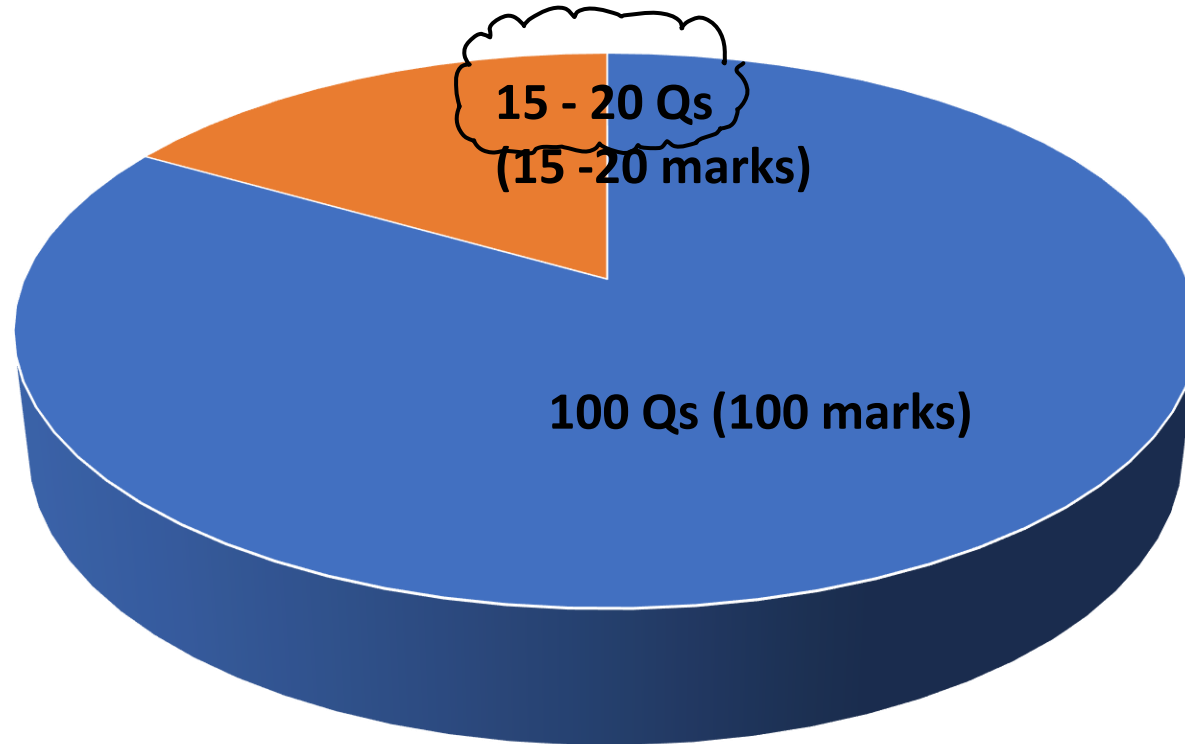
ALGEBRA

CDS Maths Paper Previous Years Q&A Analysis



ALGEBRA

Expected No. of Questions & Marks Division



Topic Importance: Algebra

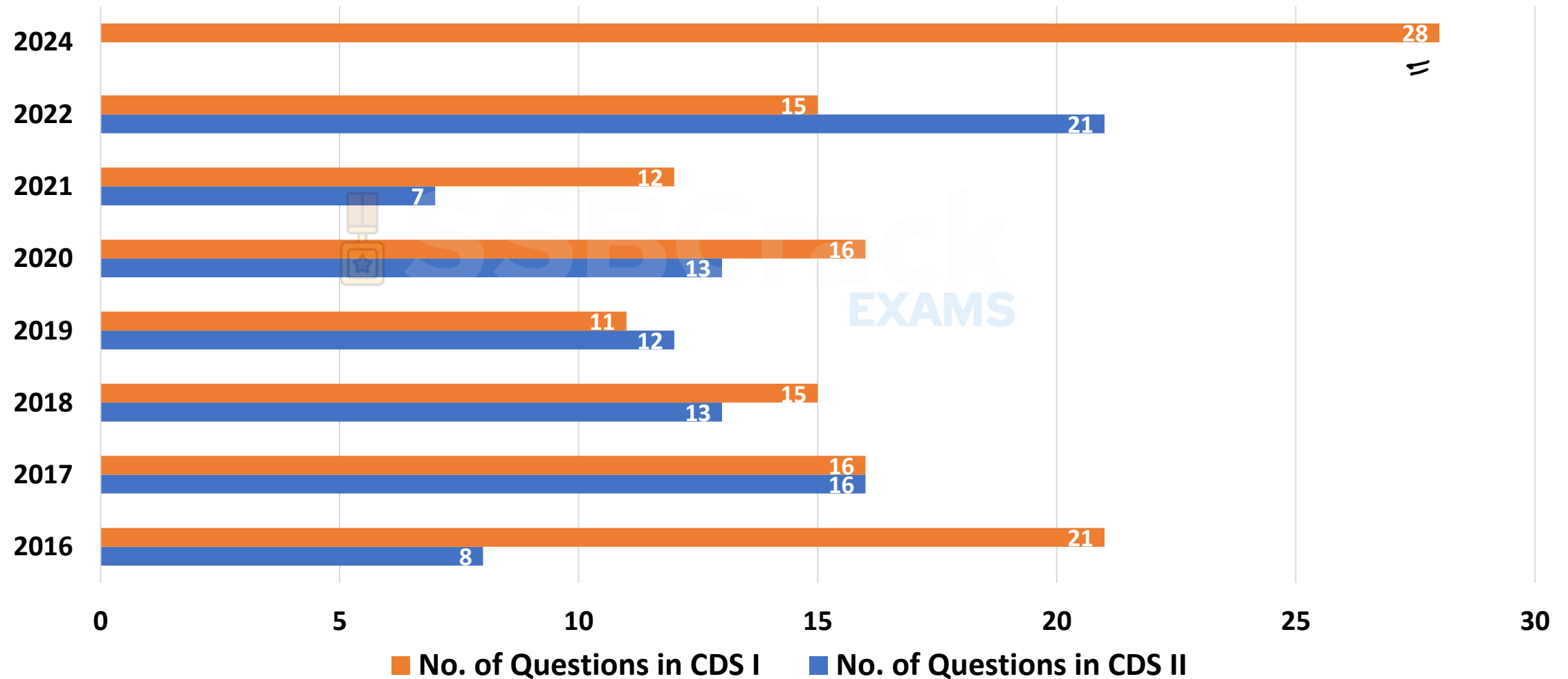
- Algebraic expressions Formulae are most important. / *Identities*
- Remember Quadratic Equations concept of product and sum of roots.
- Remember concept of remainder and factor, questions repeat from here.
- Short tricks like satisfying some value of variable is important.
- Same kind of questions repeat a lot.
- Practice Basic Questions must.

$$\underbrace{145^2} \div 3 = \underbrace{\text{rem}()}$$

$$a^3 - b^3 = (a - b) \underbrace{(a^2 + ab + b^2)}$$

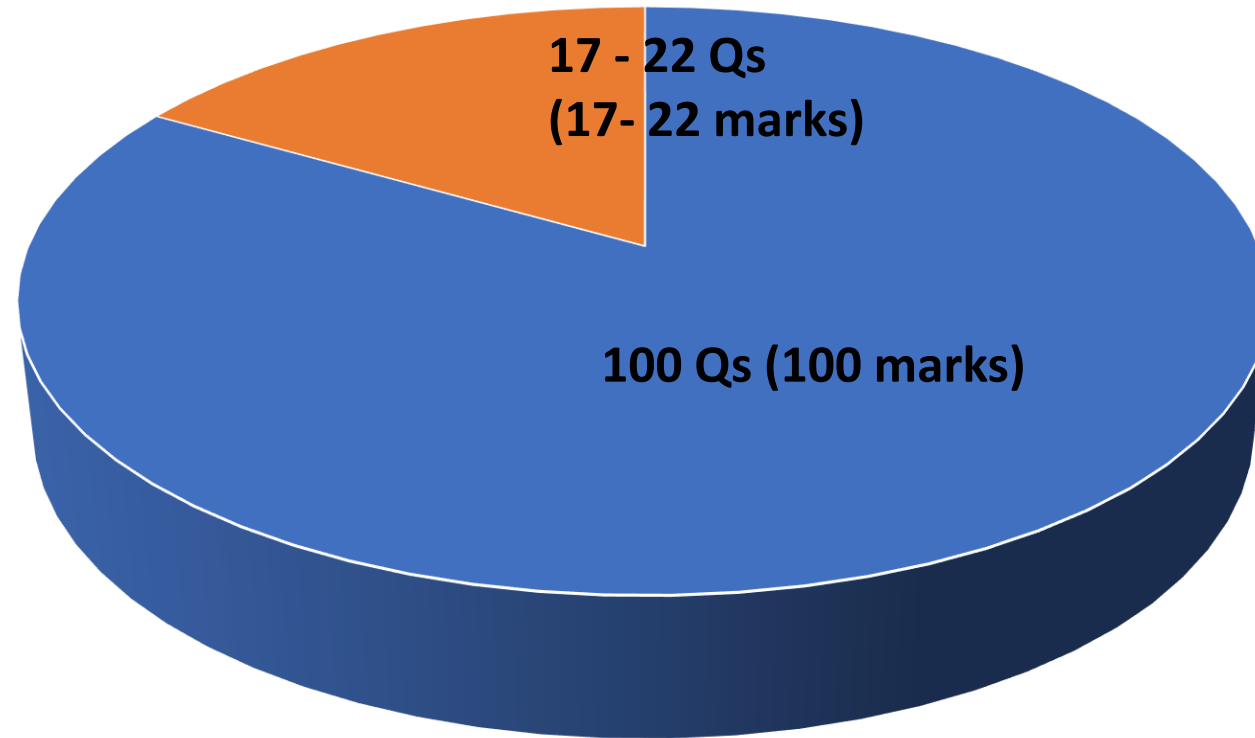
GEOMETRY

CDS Maths Paper Previous Years Q&A Analysis




GEOMETRY

Expected No. of Questions & Marks Division



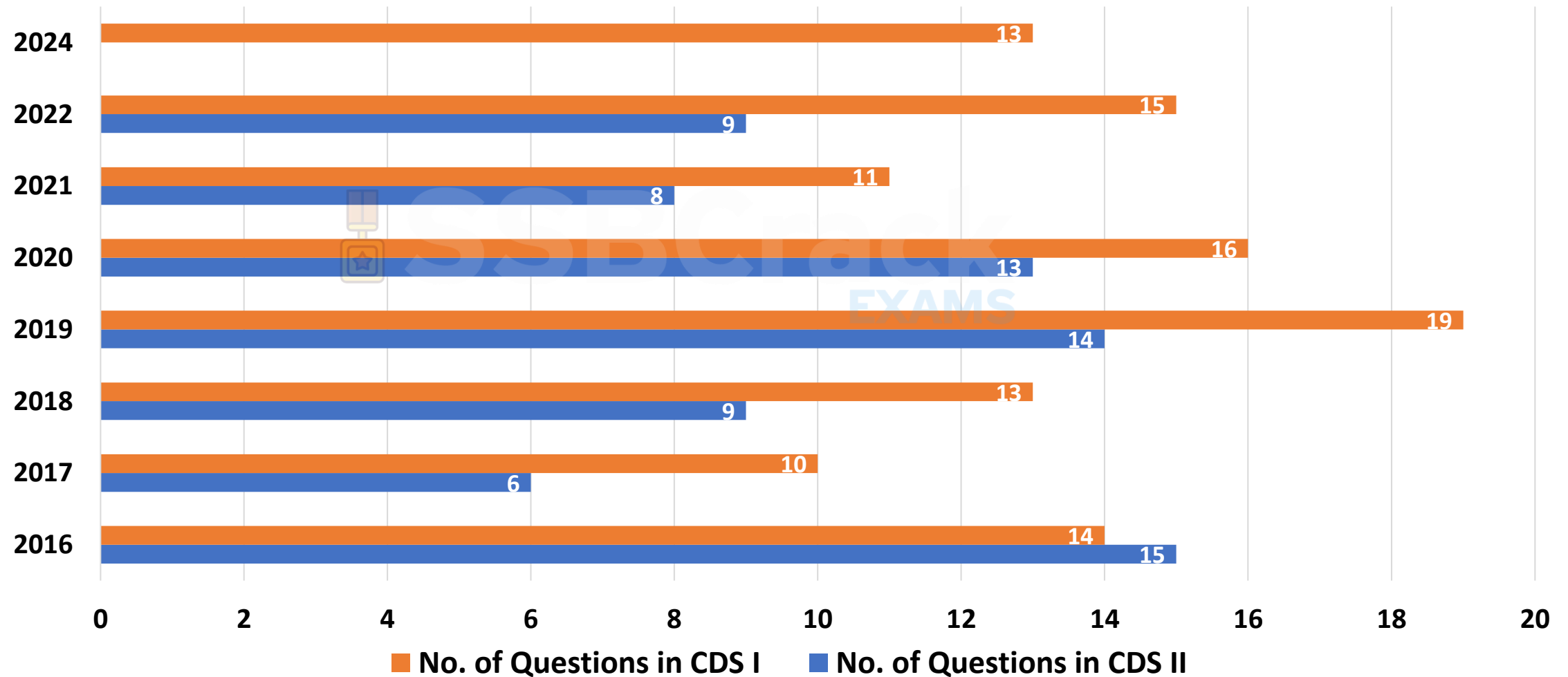
Topic Importance: Geometry

- Some repeated concept of similarity, congruency, lines and angles.
- Concept of right angle triangle, equilateral triangle, Cosine rule, sine rule etc.
- Properties like circumcenter, incentre, altitude of triangle are most important.


- In circles, properties of tangent, chord, relations of angles and length.
- It is important to remember results of all properties, so that in exam you can directly apply them in exam and that too very quickly.

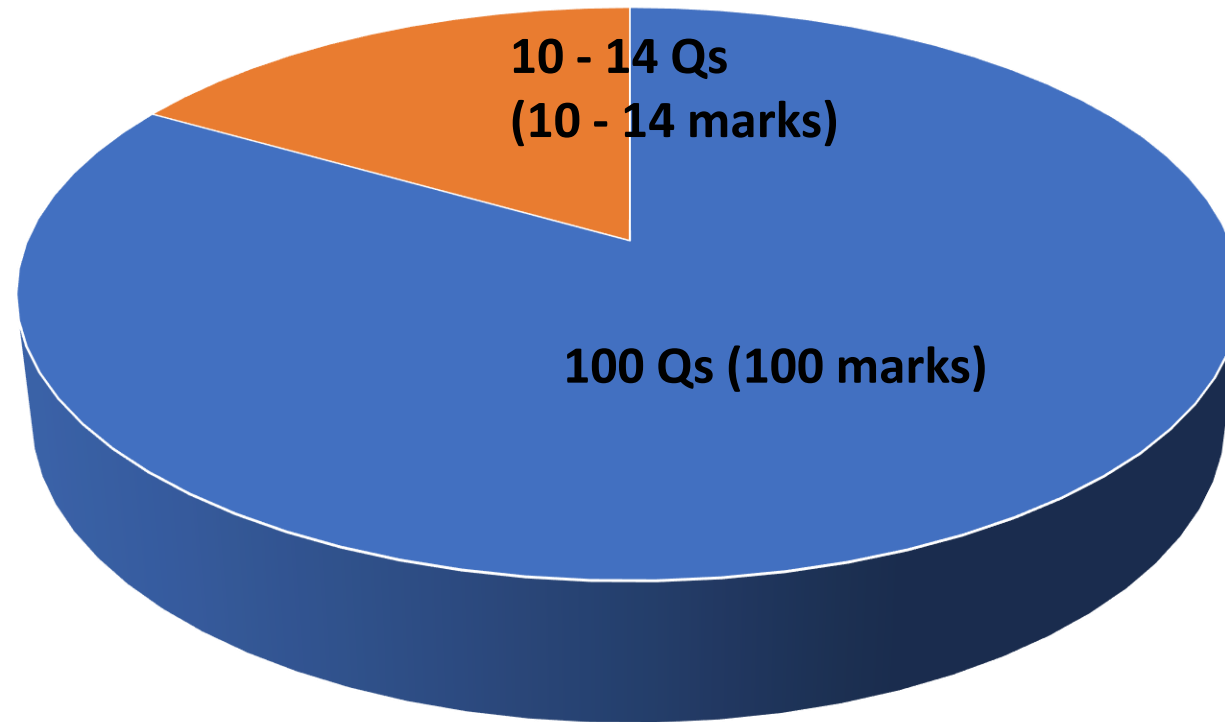
NUMBER SYSTEM

CDS Maths Paper Previous Years Q&A Analysis



NUMBER SYSTEM

Expected No. of Questions & Marks Division



Topic Importance: Number System

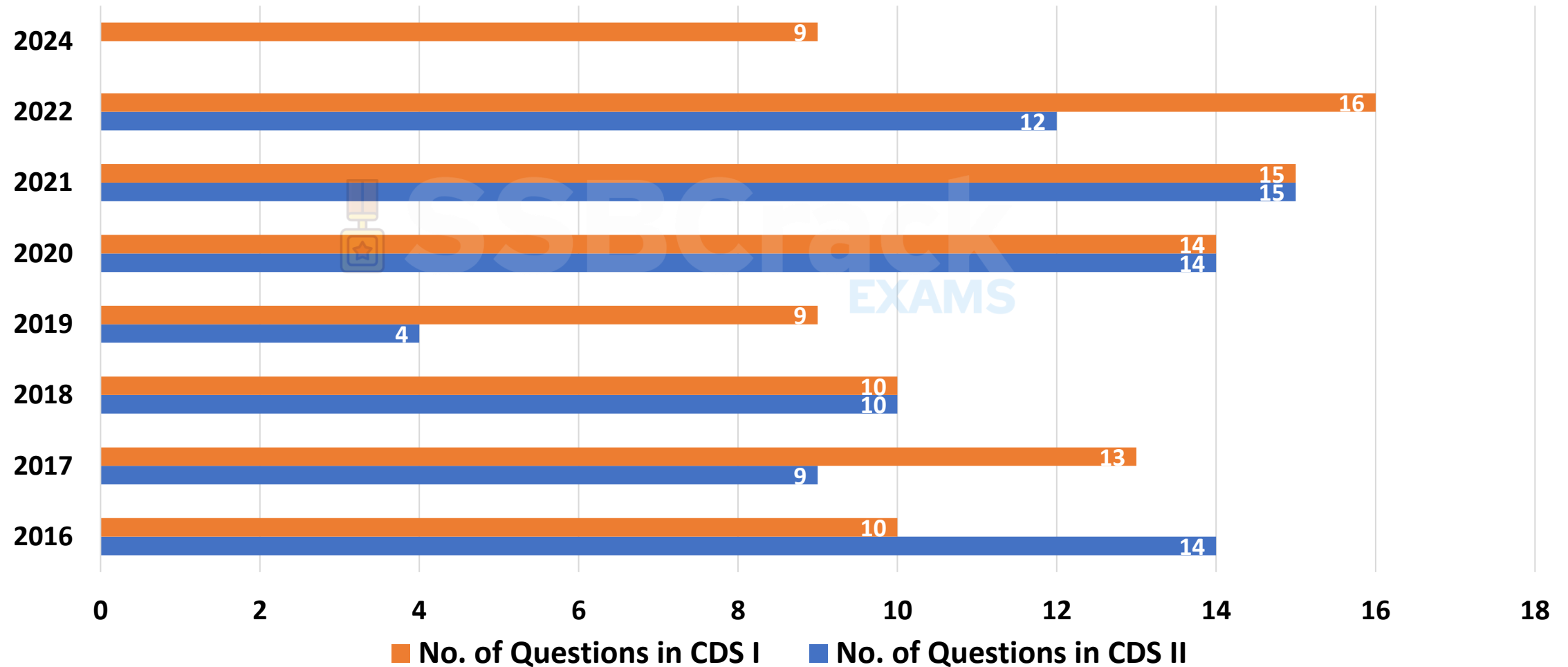
- Concept of remainder theorem, unit digit, divisibility rules, simplification, BODMAS these questions repeat only.

$$\underbrace{453} = 4 + 5 + 3 = \textcircled{12}$$

- Just now they are asking in unique manner instead of directly.
- You must know how to play numbers like say for example some famous products, Triplet concept, squares and cubes.
- Properties related to HCF LCM also important. (1-30) (1-20)
- Practice Basic Questions must.

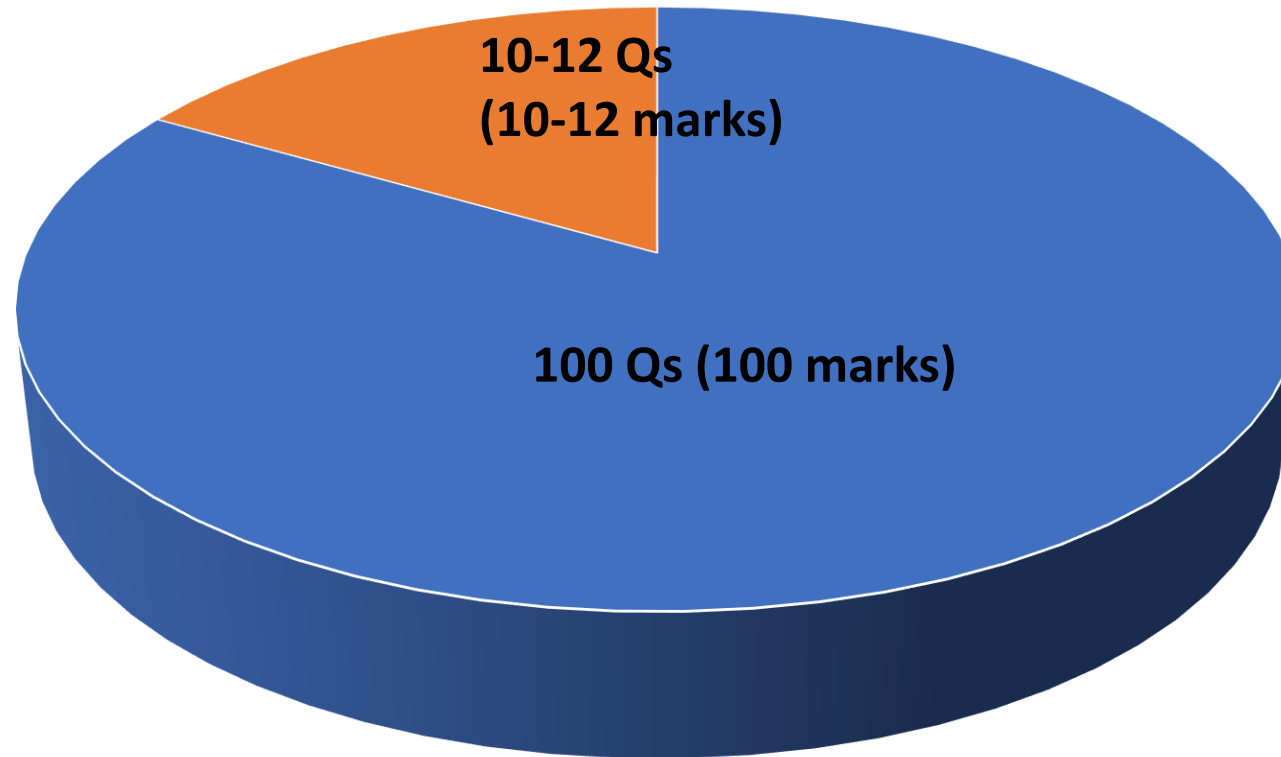
TRIGONOMETRY

CDS Maths Paper Previous Years Q&A Analysis



TRIGONOMETRY

Expected No. of Questions & Marks Division

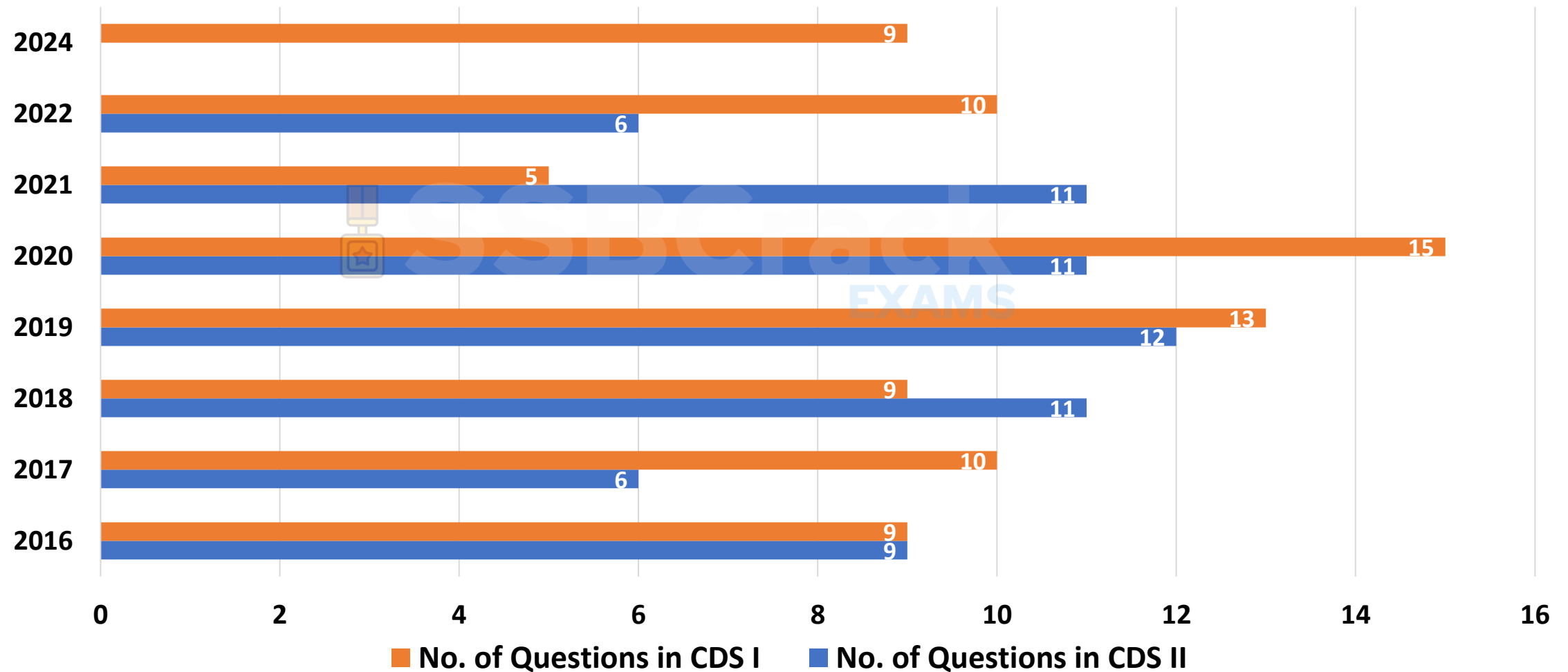


Topic Importance: Trigonometry

- Make command over formulae. Revise them a lot.
- Concept of right angle triangle and triplet.
- Concept of Maximum and minimum value.
- Tricks to put some value of angle.
- Repeated concept comes.
- PYQs will help you a lot.

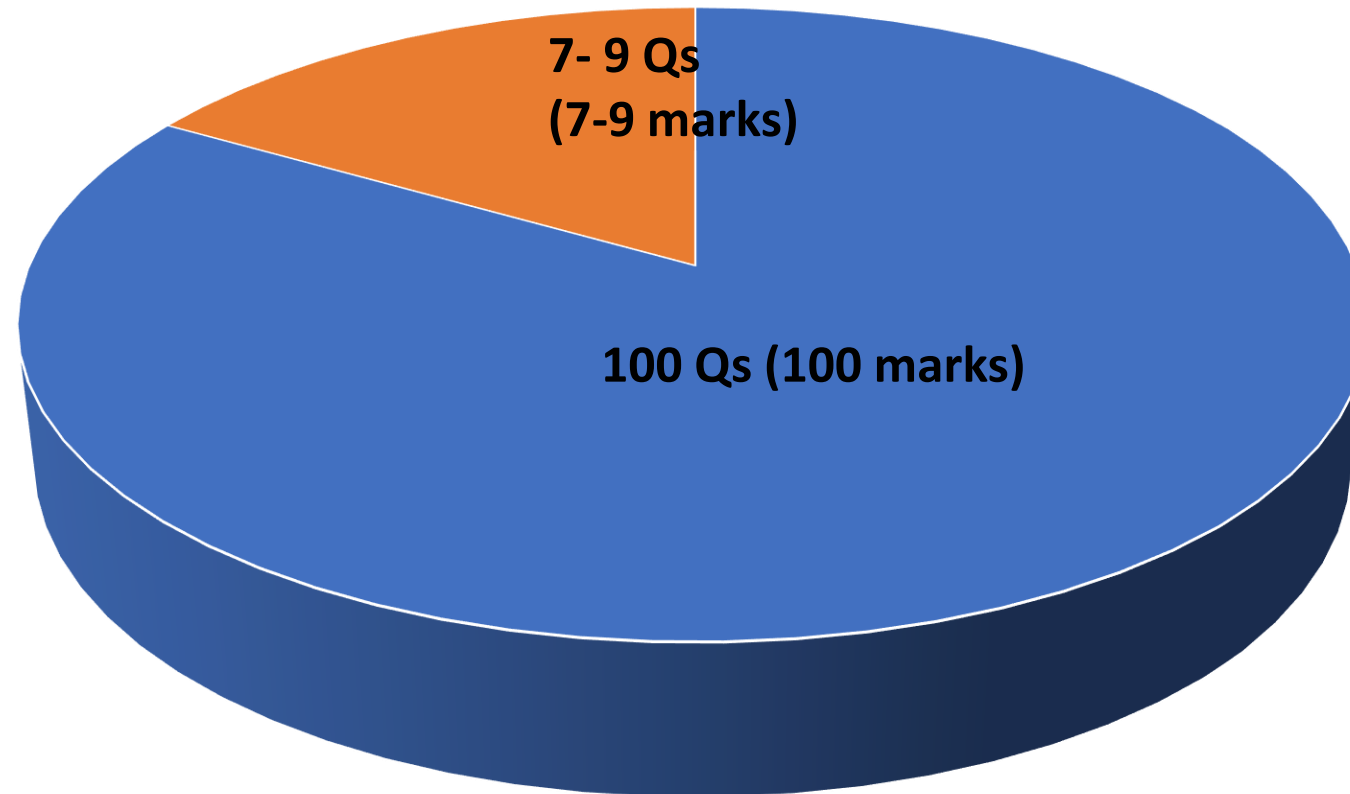
MENSURATION 2D

CDS Maths Paper Previous Years Q&A Analysis



MENSURATION 2D

Expected No. of Questions & Marks Division



Topic Importance: Mensuration 2D

- Properties and formulae of all 2D figures are most important.
- Just ensure to make figure in every question.
- Quadrilateral, polygon, there measurement formulae very

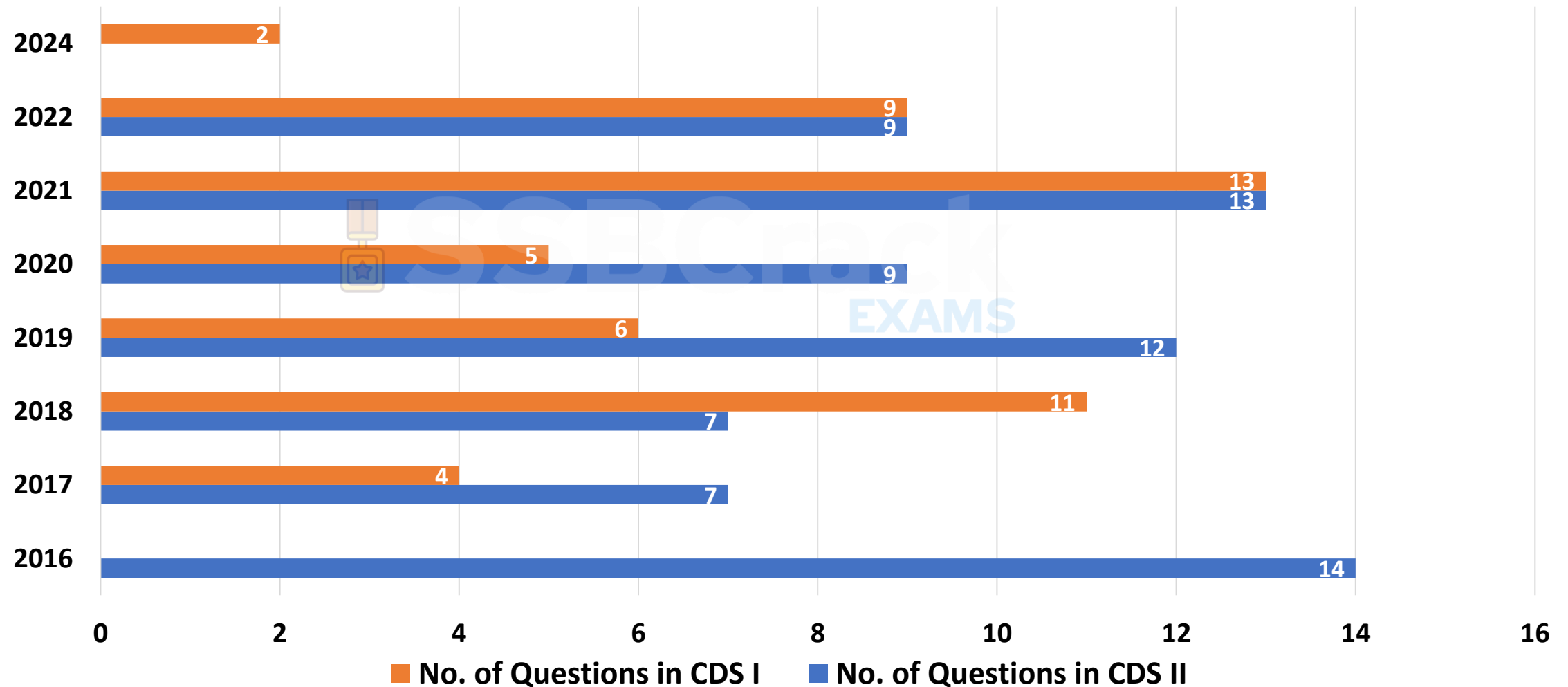
important.



- Concept of triplet uses much.
- Repeated concept and type of question comes.
- PYQs will help you a lot.

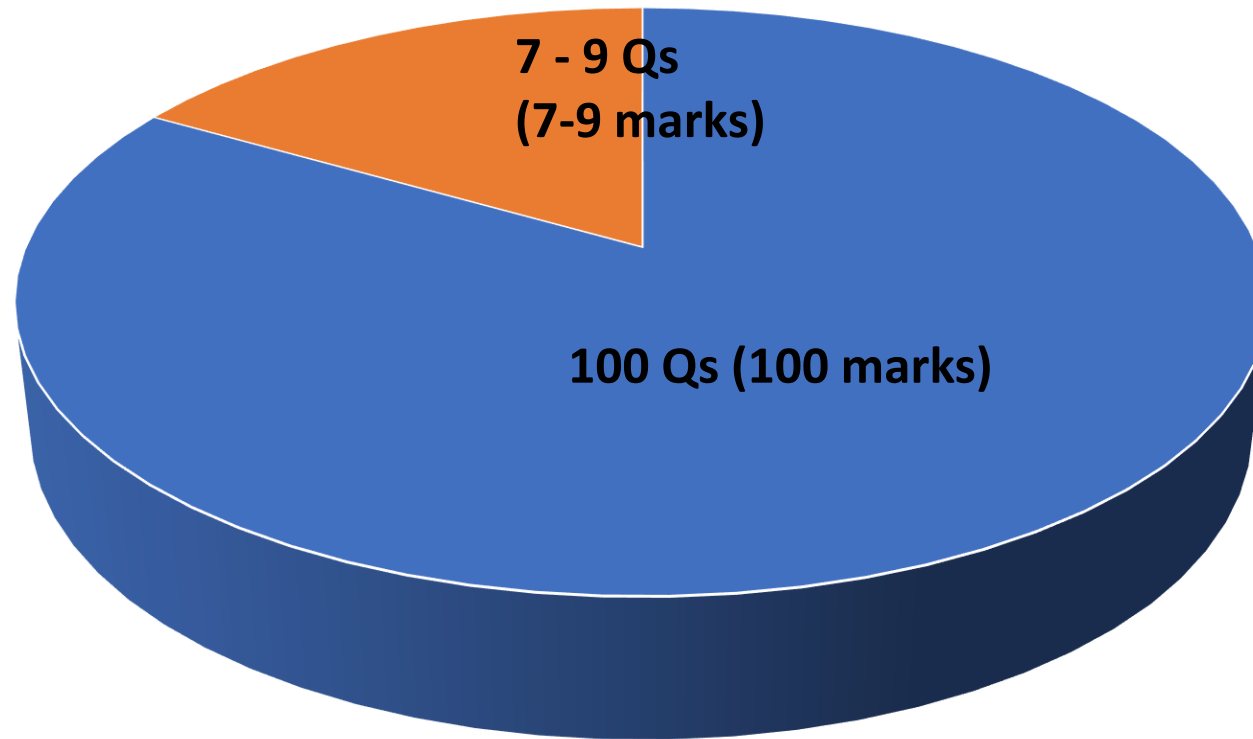
MENSURATION 3D

CDS Maths Paper Previous Years Q&A Analysis



MENSURATION 3D

Expected No. of Questions & Marks Division

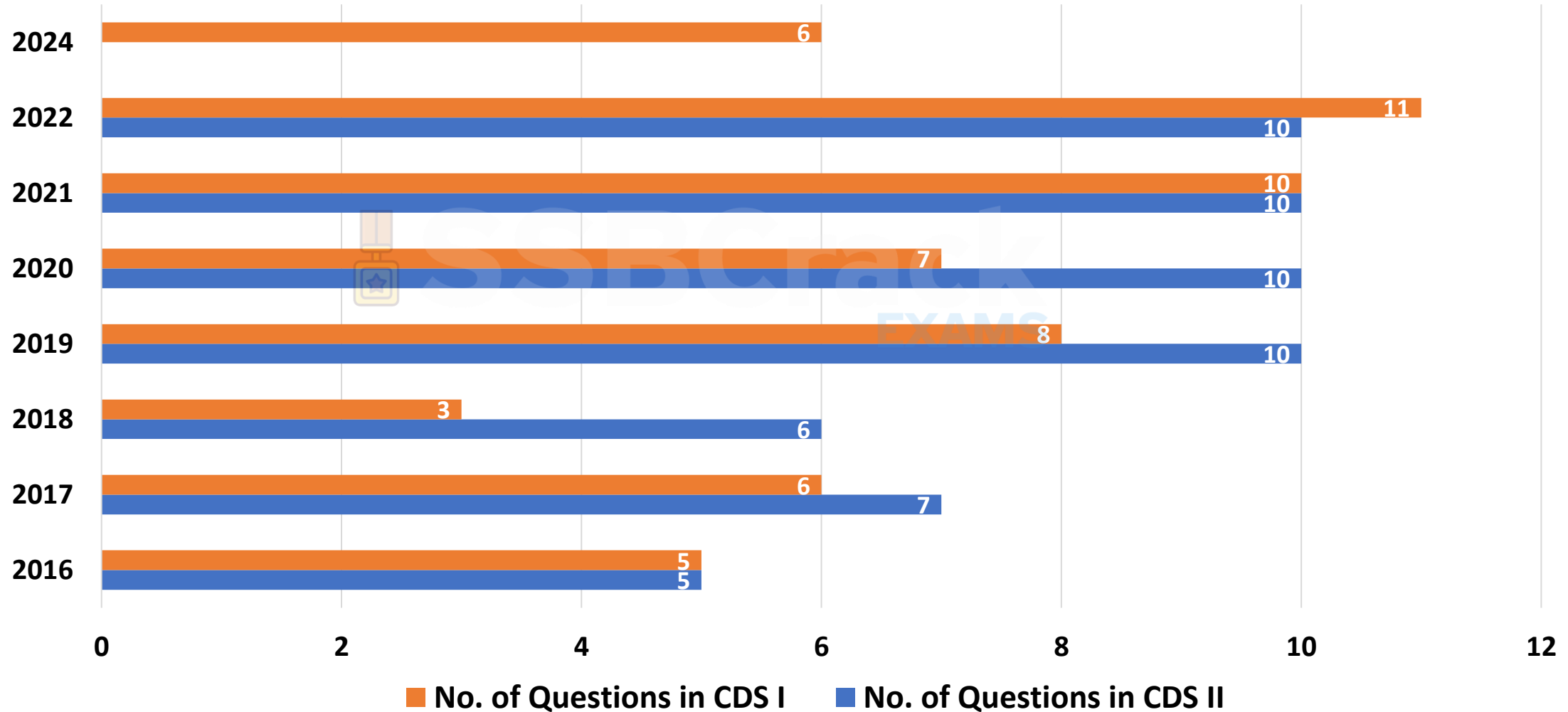


Topic Importance: Mensuration 3D

- Properties and formulae of all 3D figures are most important.
- Just ensure to make figure in every question.
- Volume, conversion of figures, rotation of figures they all are important.
- Cone and frustum is also important.
- Repeated concept and type of question comes.
- PYQs will help you a lot.

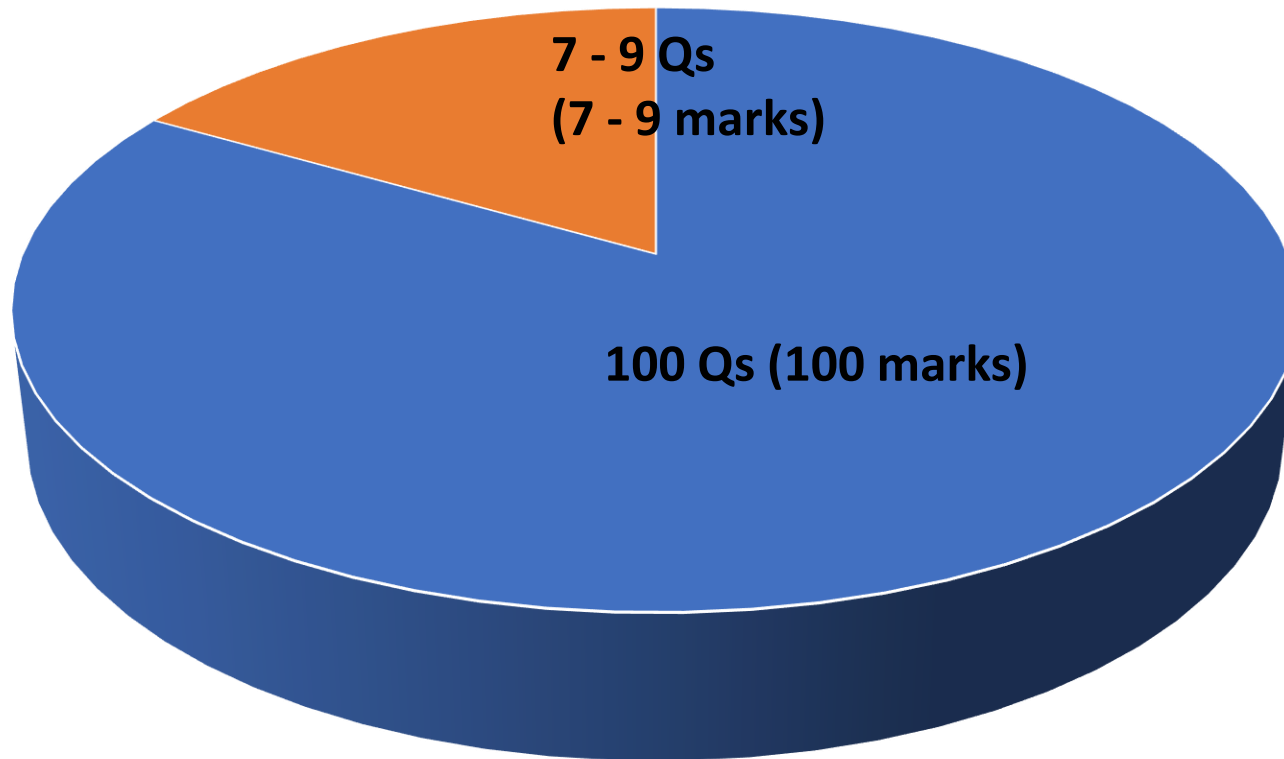
STATISTICS

CDS Maths Paper Previous Years Q&A Analysis



STATISTICS

Expected No. of Questions & Marks Division



Topic Importance: Statistics

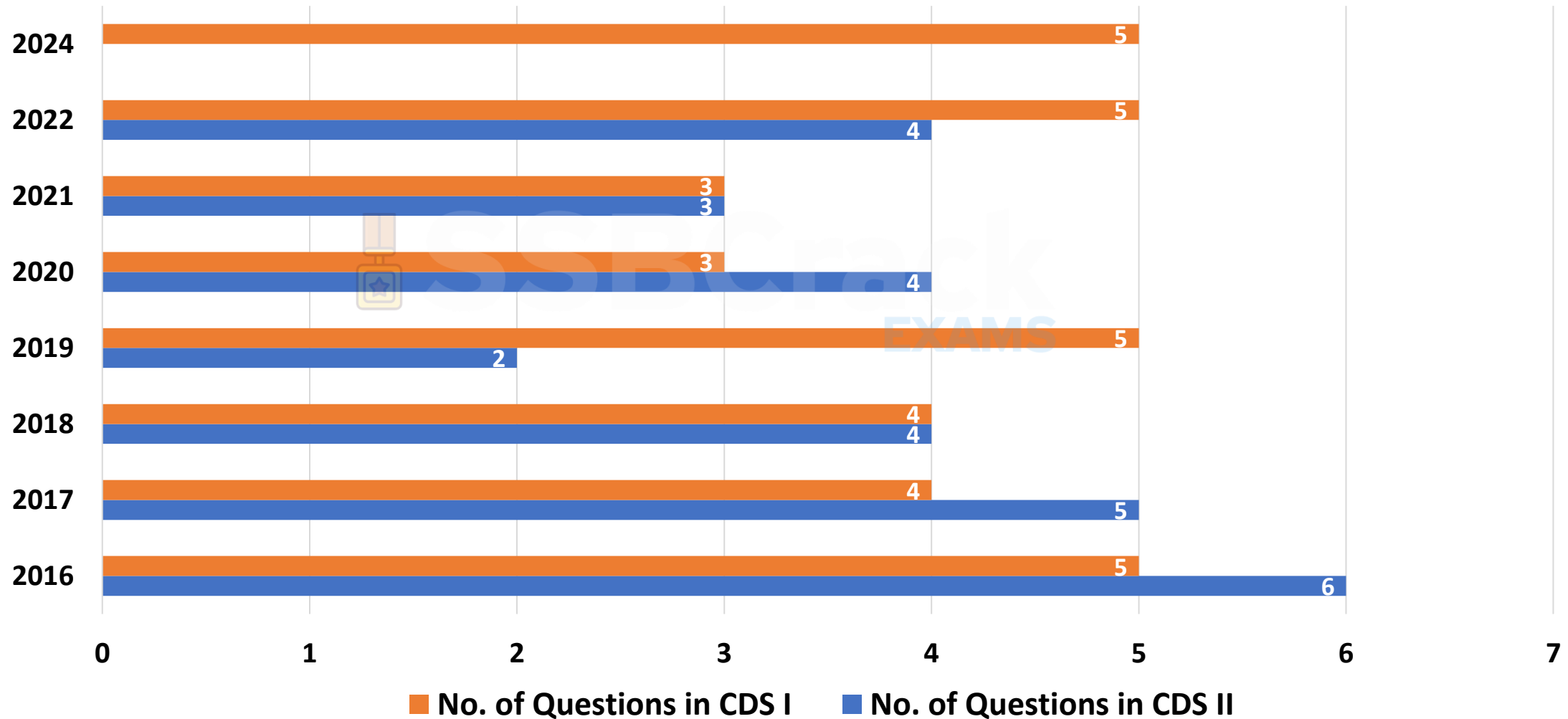
- Make command over calculation so that basic questions must not left.

20 - 25 —
25 - 30 —

- Mean, Median, Mode remember directly. ✓
- Mean deviation concept will help you make things easy.
- Repeated concept and type of question comes.
- PYQs will help you a lot.

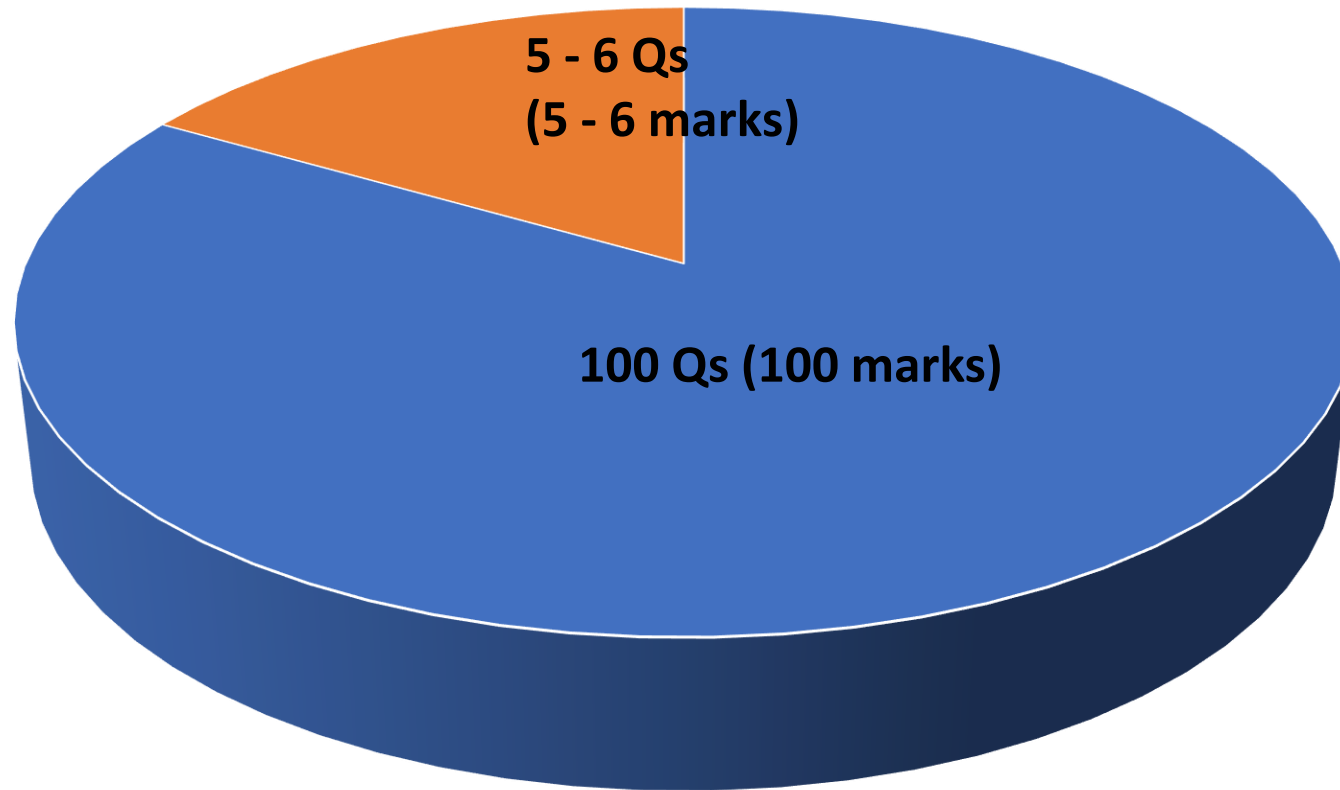
SPEED, DISTANCE & TIME

CDS Maths Paper Previous Years Q&A Analysis



SPEED, DISTANCE, TIME

Expected No. of Questions & Marks Division

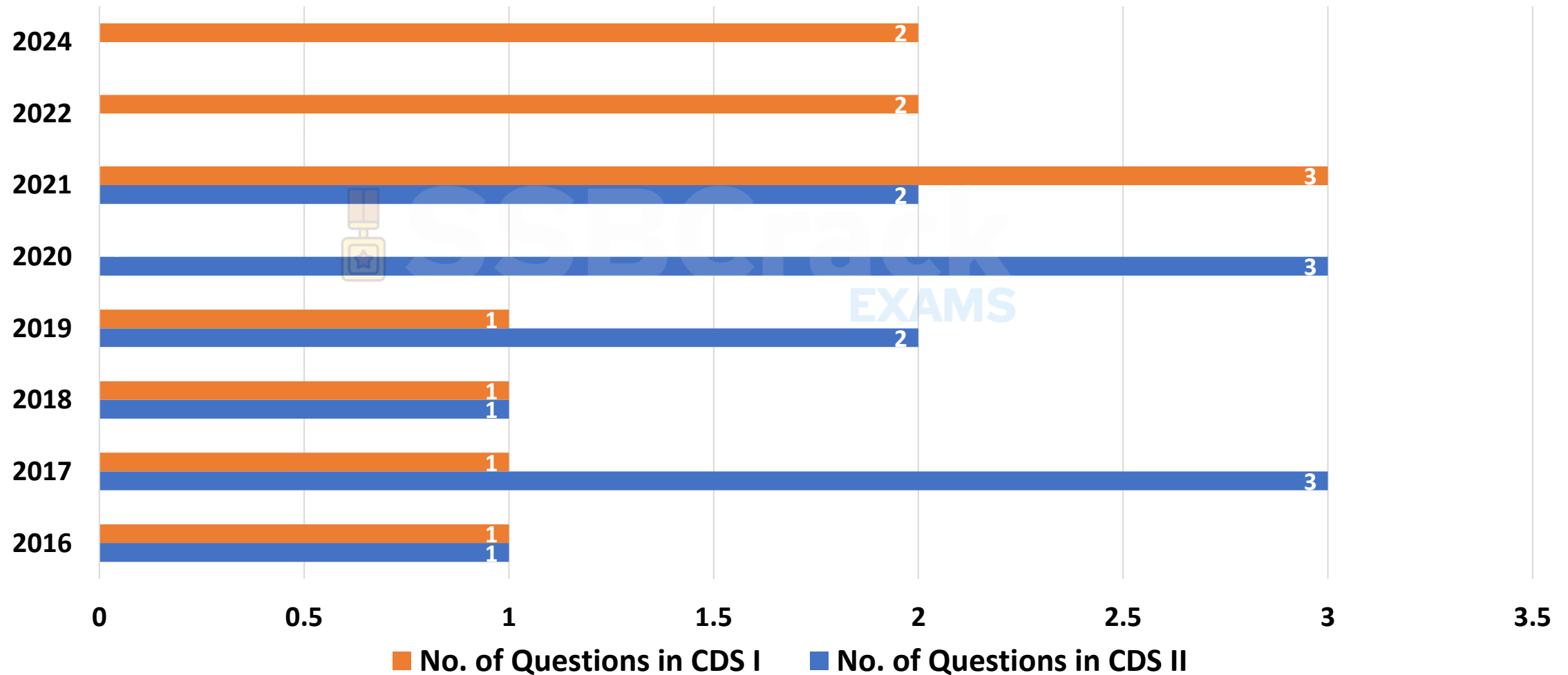


Topic Importance: Speed, Distance, Time

- Bit wide topic but very important to cover.
- Remember types of question.
- Important to use ratio concept.
- Boat stream, train, race all are important.
- Repeated concept and type of question comes.
- PYQs will help you a lot.

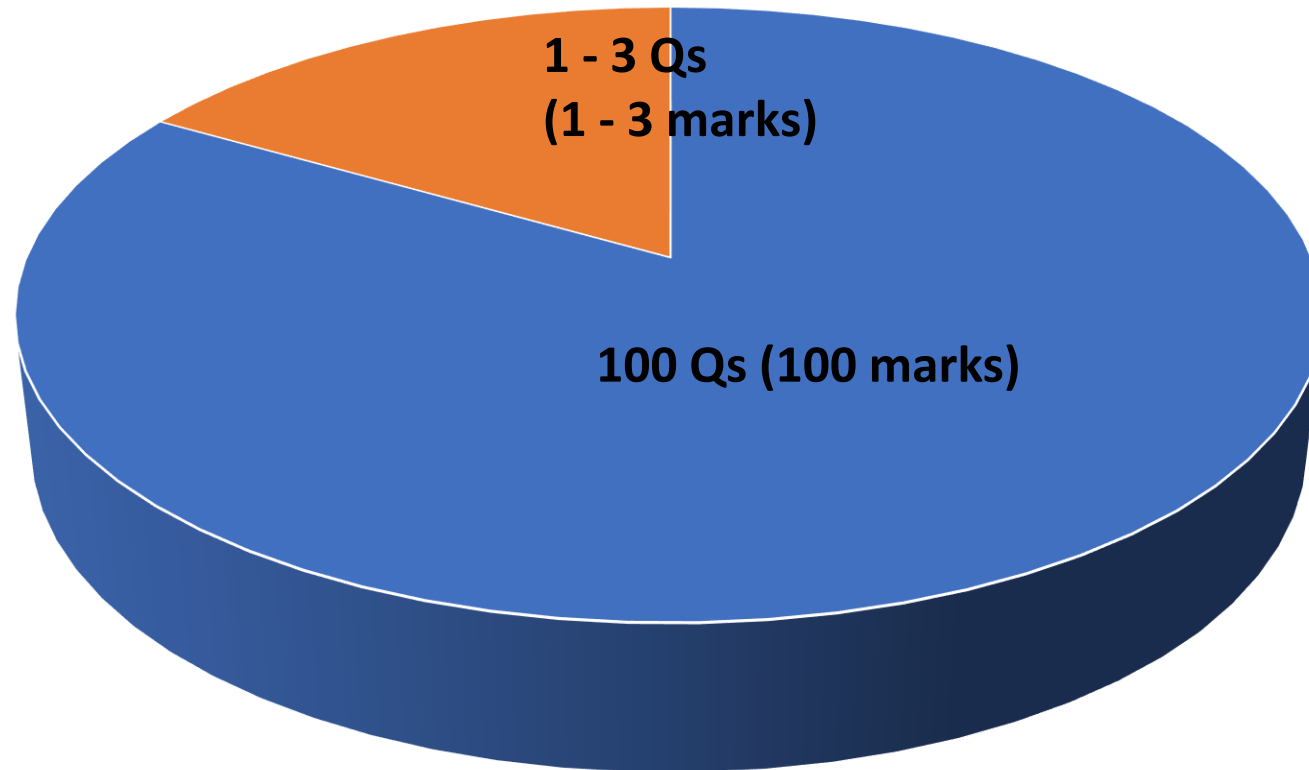
PROFIT & LOSS

CDS Maths Paper Previous Years Q&A Analysis



PROFIT LOSS

Expected No. of Questions & Marks Division

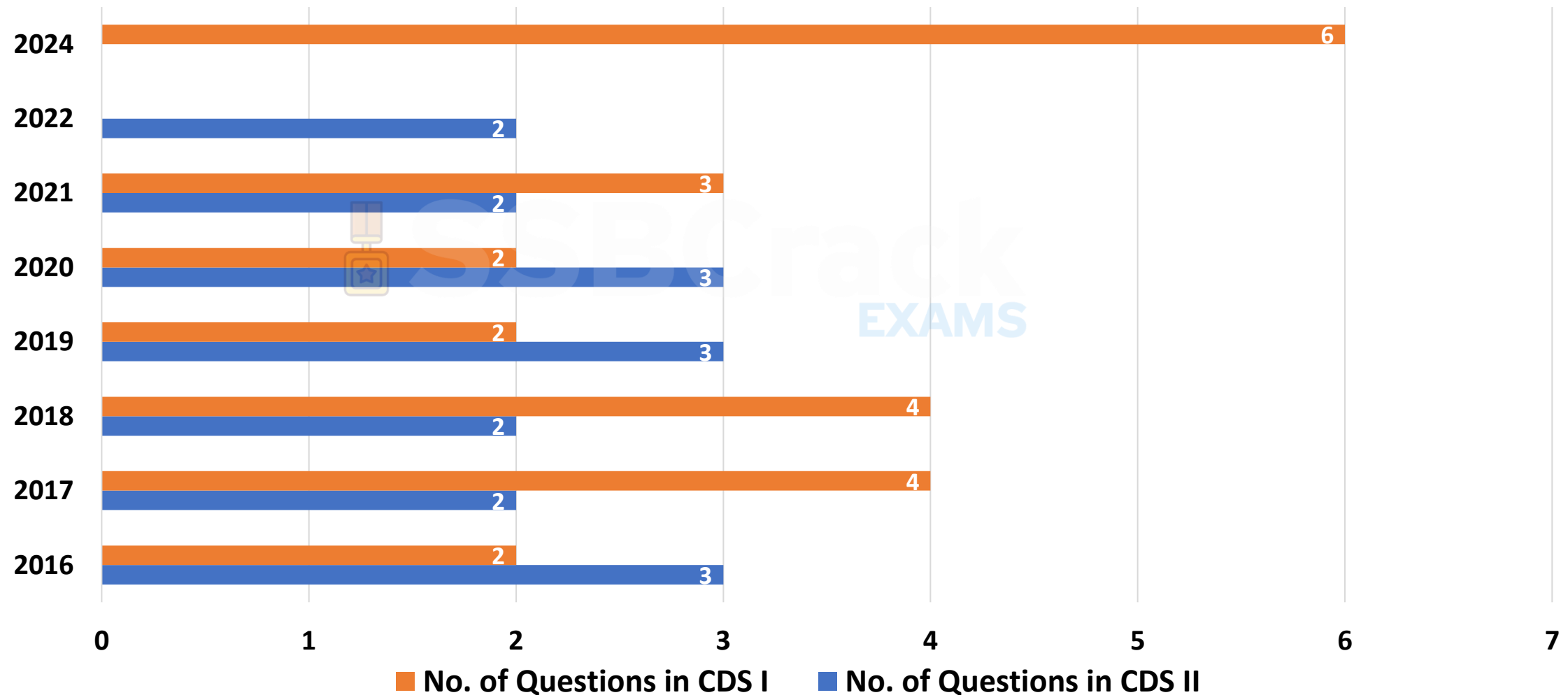


Topic Importance: Profit Loss

- Make command over percentage concept. This will make whole arithmetic very easy. ✓
- Discount and marked price question comes a lot.
- Make flow chart in questions for transactions.
- Repeated concept and type of question comes.
- PYQs will help you a lot.

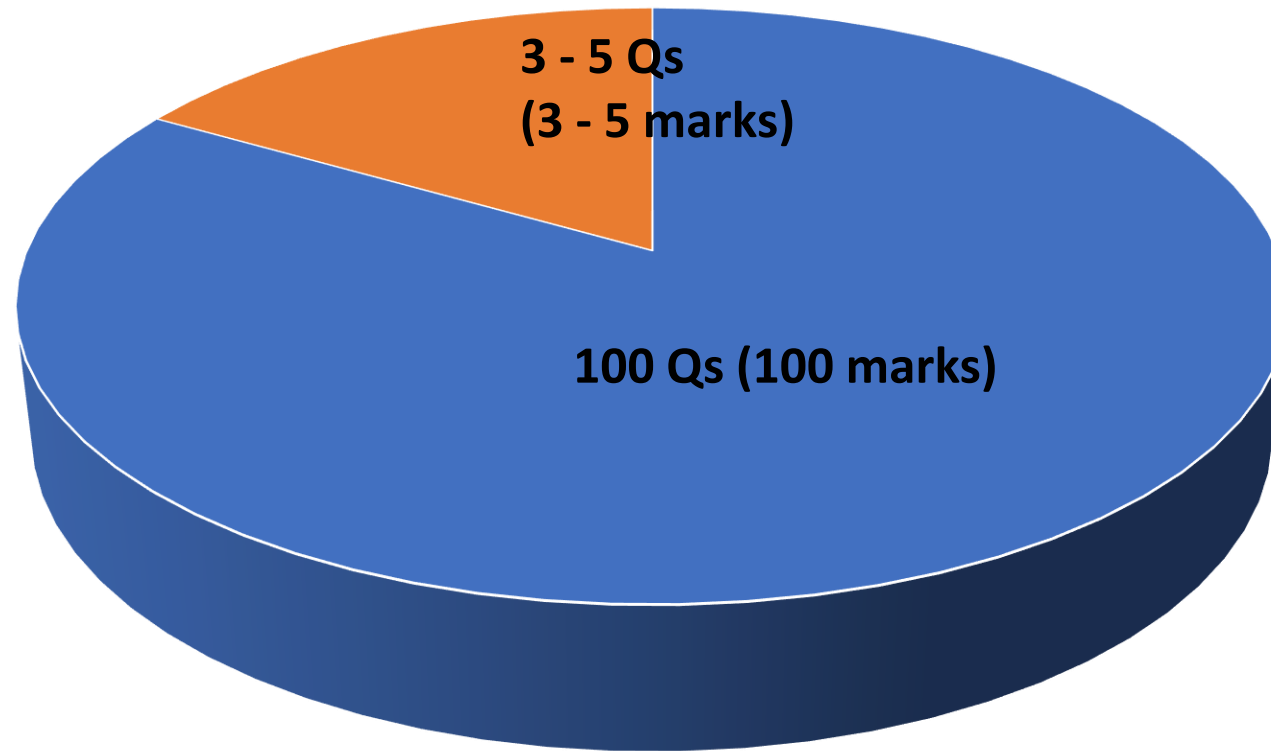
RATIO & PROPORTION

CDS Maths Paper Previous Years Q&A Analysis



RATIO & PROPORTION

Expected No. of Questions & Marks Division

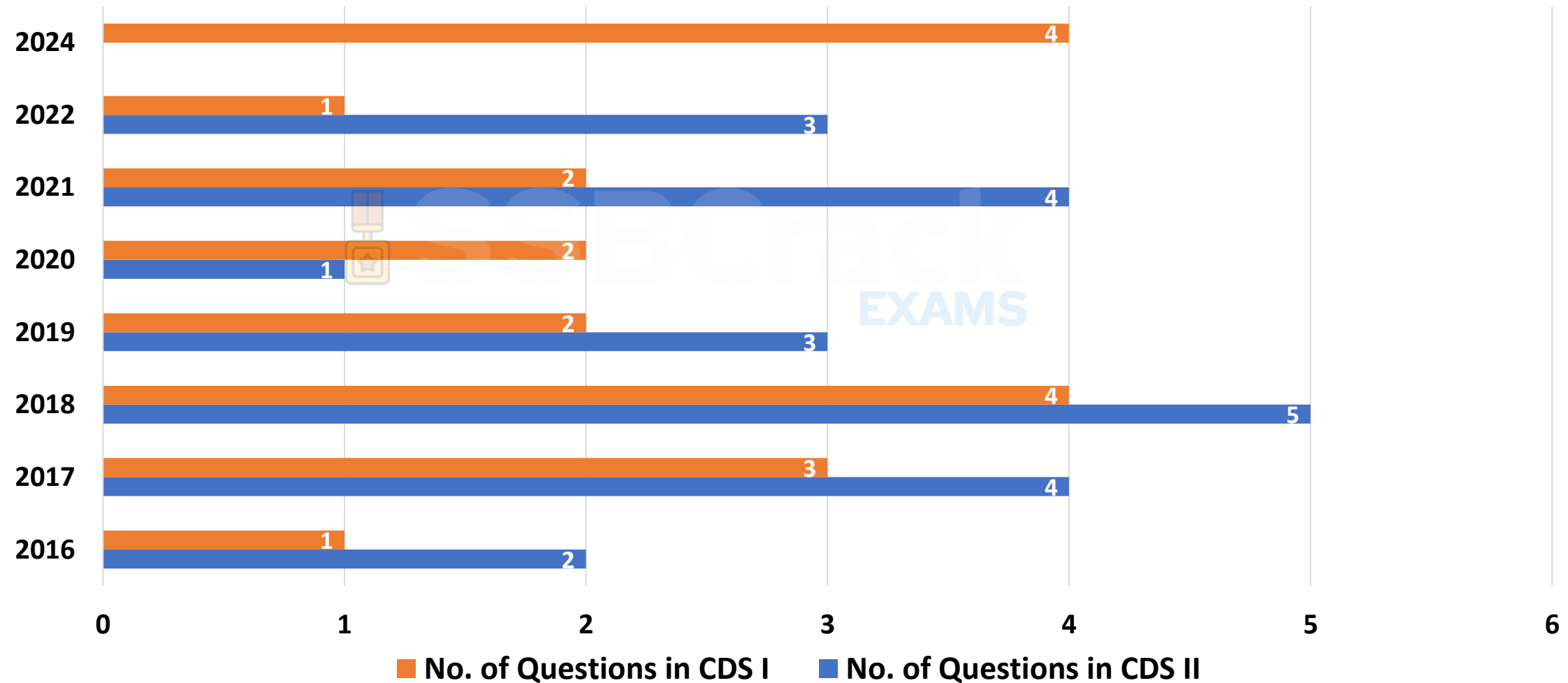


Topic Importance: Ratio & Proportion

- Make command over percentage concept. This will make whole arithmetic very easy.
- Must learn Basic questions and formulae in this.
- Mixture & allegations is also important in this.
- Repeated concept and type of question comes.
- PYQs will help you a lot.

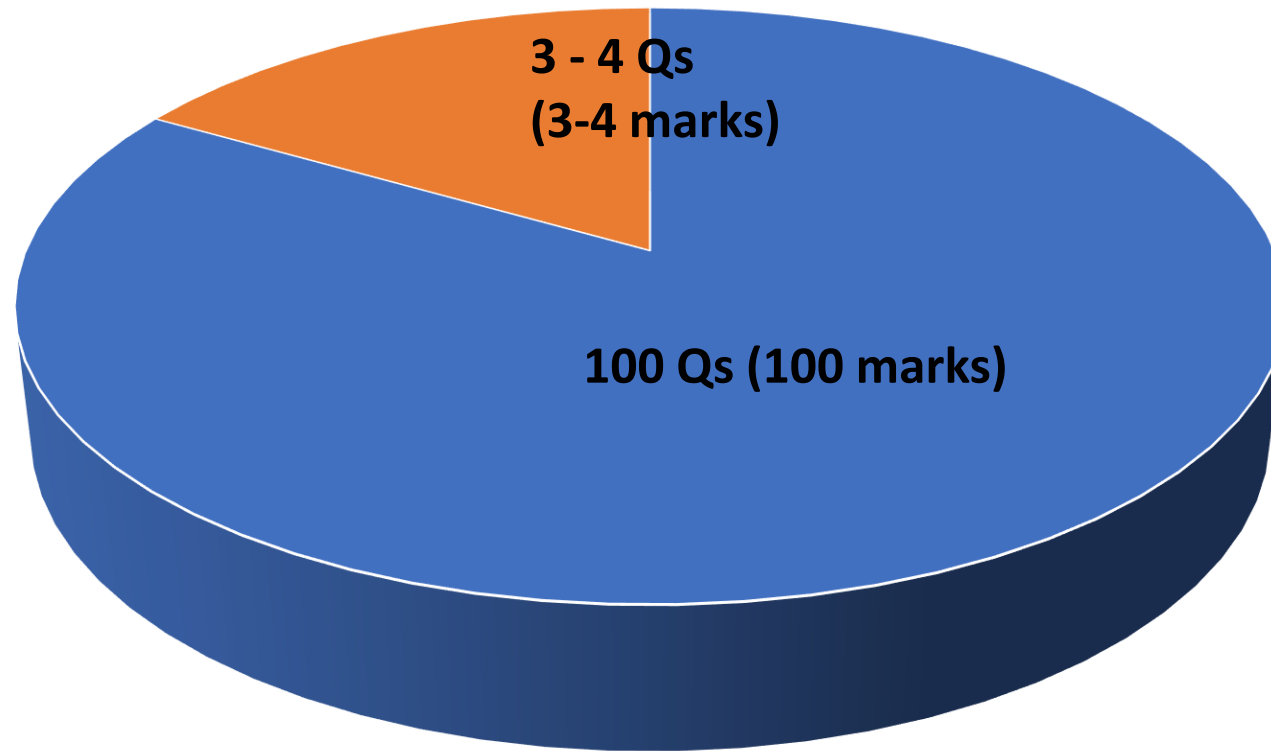
TIME & WORK

CDS Maths Paper Previous Years Q&A Analysis



TIME & WORK

Expected No. of Questions & Marks Division

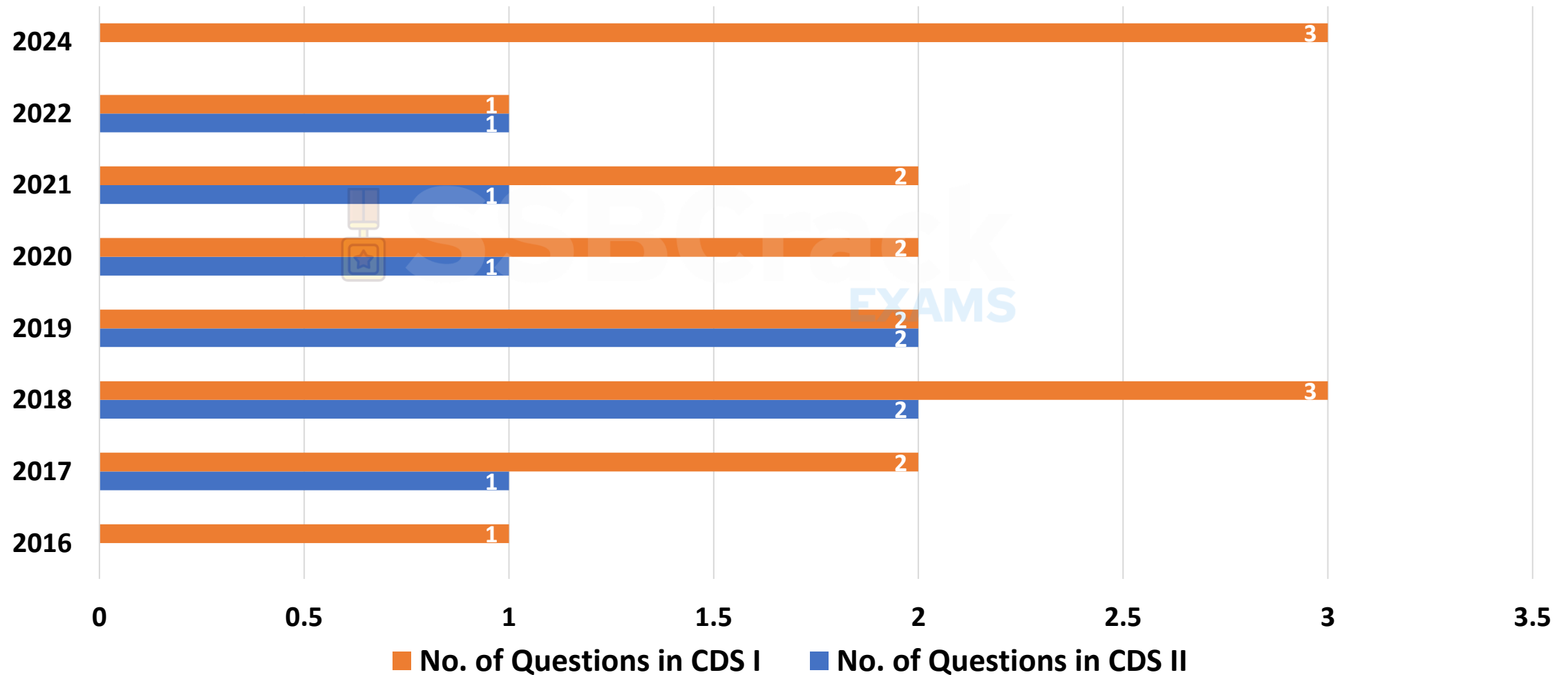


Topic Importance: Time Work

- Make command over concept of efficiency.
- One formula $\text{Work} = \text{Efficiency} \times \text{Time}$ is enough.
- Relate to questions in practical way. This will make things very easy.
- Pipes cistern questions you must not forgot.
- Repeated concept and type of question comes.
- PYQs will help you a lot.

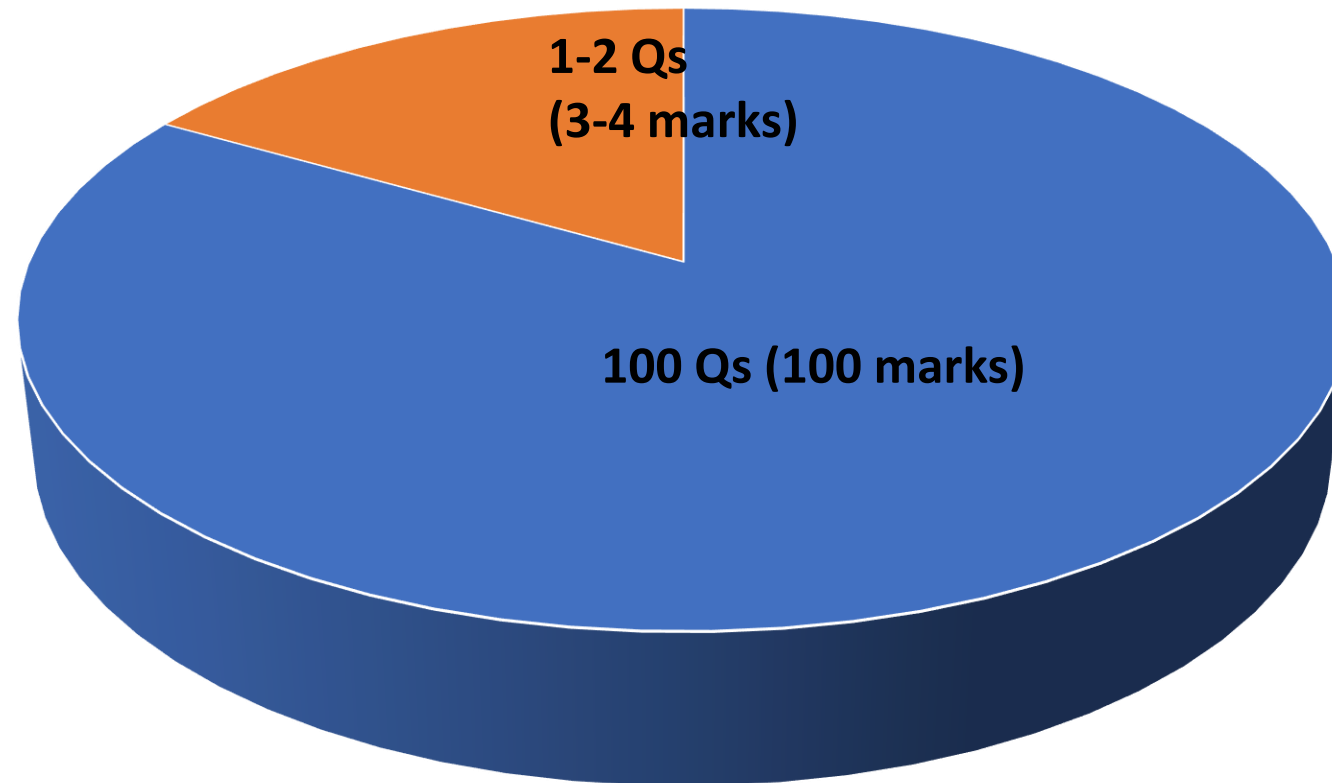
SIMPLE & COMPOUND INTEREST

CDS Maths Paper Previous Years Q&A Analysis



SI CI

Expected No. of Questions & Marks Division



Topic Importance: SI CI

- Concept is most similar to Profit loss.
- Make command over percentage and things will be easy.
- Yes calculation is there but try to do them.
- Things will be easy if you relate practically.
- Repeated concept and type of question comes.
- PYQs will help you a lot.

CDS 2 2024 – Expected Number of Questions

Topics	No. of Questions
ALGEBRA ✓	15 - 20
TRIGONOMETRY ✓	10 - 12
GEOMETRY ✓	17 - 22
2D MENSURATION ≐	7 - 9
3D MENSURATION ≐	7 - 9
NUMBER SYSTEM ✓	10 - 14
STATISTICS	7 - 9
SPEED DISTANCE TIME	5 - 6
TIME WORK	3 - 4
RATIO PROPORTION	3 - 5
PROFIT LOSS	1 - 3

CDS 2 2024 – Maths Live Classes

Topics	No. of Classes
ALGEBRA	3
TRIGONOMETRY	3
GEOMETRY	3
MENSURATION	2
NUMBER SYSTEM	2
STATISTICS	2
SPEED DISTANCE TIME	2
TIME WORK	2
RATIO PROPORTION	2
PROFIT LOSS	2
✓ PERCENTAGE	2
SI CI	2

Topics	No. of Classes
SETS	1
LOGARITHM	1
AVERAGE	1

1 - 2 PM

Mon - Fri

Strategy To Ace CDS 2 2024 Maths Paper

- Always remember that **basic concepts is the key** and if your basics are strong, you can always solve all the questions. So, use the time in your hand and cover the basics of each and every topic thoroughly.
- Try to **solve different types of questions** with the basic concepts only.
- After then move on to the **short cut tricks and techniques** and the important short cut formulas as now you will be able to apply them more accurately and with full understanding.
- Give quick revisions to the concepts on timely basis.



Strategy To Ace CDS 2 2024 Maths Paper

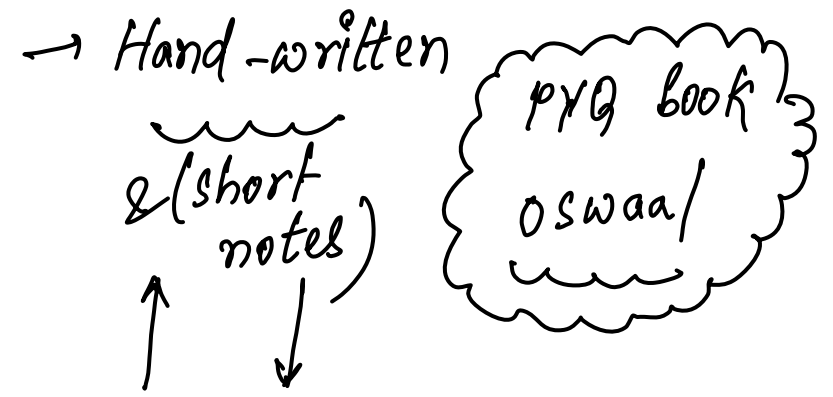
- Attempt **good number of Mocks** to have a real time experience of the paper.
- Last and the most important thing is **having faith in yourself, be confident** as you know that you have studied everything.

- Physical Activity
- 7-hrs. sleep
- Minimal junk food.

Discussion - box

$$a_n = a + (n-1)d$$

a_n → nth term
 a → first term
 $(n-1)$ → no. of term
 d → common diff



CDS-AFCAT 2 2024

SSBCrack
EXAMS

LIVE

MATHS

PERCENTAGE

CLASS 1

NAVJYOTI SIR

