

AFCAT 1 2025

LIVE ●

NUMERICAL ABILITY

STUDY PLAN & ANALYSIS

SSBCrack
EXAMS



NAVJYOTI SIR



23 Sep 2024 Live Classes Schedule

8:00AM	23 SEP 2024 DAILY CURRENT AFFAIRS	RUBY MA'AM
9:00AM	23 SEP 2024 DAILY DEFENCE UPDATES	DIVYANSHU SIR

NDA 1 2025 LIVE CLASSES

10:30AM	ENGLISH - STUDY PLAN & ANALYSIS	ANURADHA MA'AM	✓
11:30AM	GK - STUDY PLAN & ANALYSIS	RUBY MA'AM	✓
2:30PM	GS - STUDY PLAN & ANALYSIS	SHIVANGI MA'AM	
4:00PM	MATHS - STUDY PLAN & ANALYSIS	NAVJYOTI SIR	✓

CDS 1 2025 LIVE CLASSES

11:30AM	GK - STUDY PLAN & ANALYSIS	DIVYANSHU SIR	✓
1:00PM	GS - STUDY PLAN & ANALYSIS	SHIVANGI MA'AM	✓
2:30PM	MATHS - STUDY PLAN & ANALYSIS	NAVJYOTI SIR	✓
5:30PM	ENGLISH - STUDY PLAN & ANALYSIS	ANURADHA MA'AM	✓

AFCAT 1 2025 LIVE CLASSES

10:00AM	REASONING - STUDY PLAN & ANALYSIS	RUBY MA'AM	✓
12:00PM	ENGLISH - STUDY PLAN & ANALYSIS	ANURADHA MA'AM	✓
1:00PM	MATHS - STUDY PLAN & ANALYSIS	NAVJYOTI SIR	✓
4:00PM	STATIC GK - STUDY PLAN & ANALYSIS	DIVYANSHU SIR	



All About AFCAT 1 2025 Exam

Indian Air Force will release the AFCAT 1 2025 Notification in the month of December 2024. The **Air Force Common Admission Test** is the entrance exam conducted by the Indian Air Force for the enrollment of Class-1 Gazetted Officers in Flying and Ground Duty (technical and non-technical) branches.



All About AFCAT 1 2025 Exam

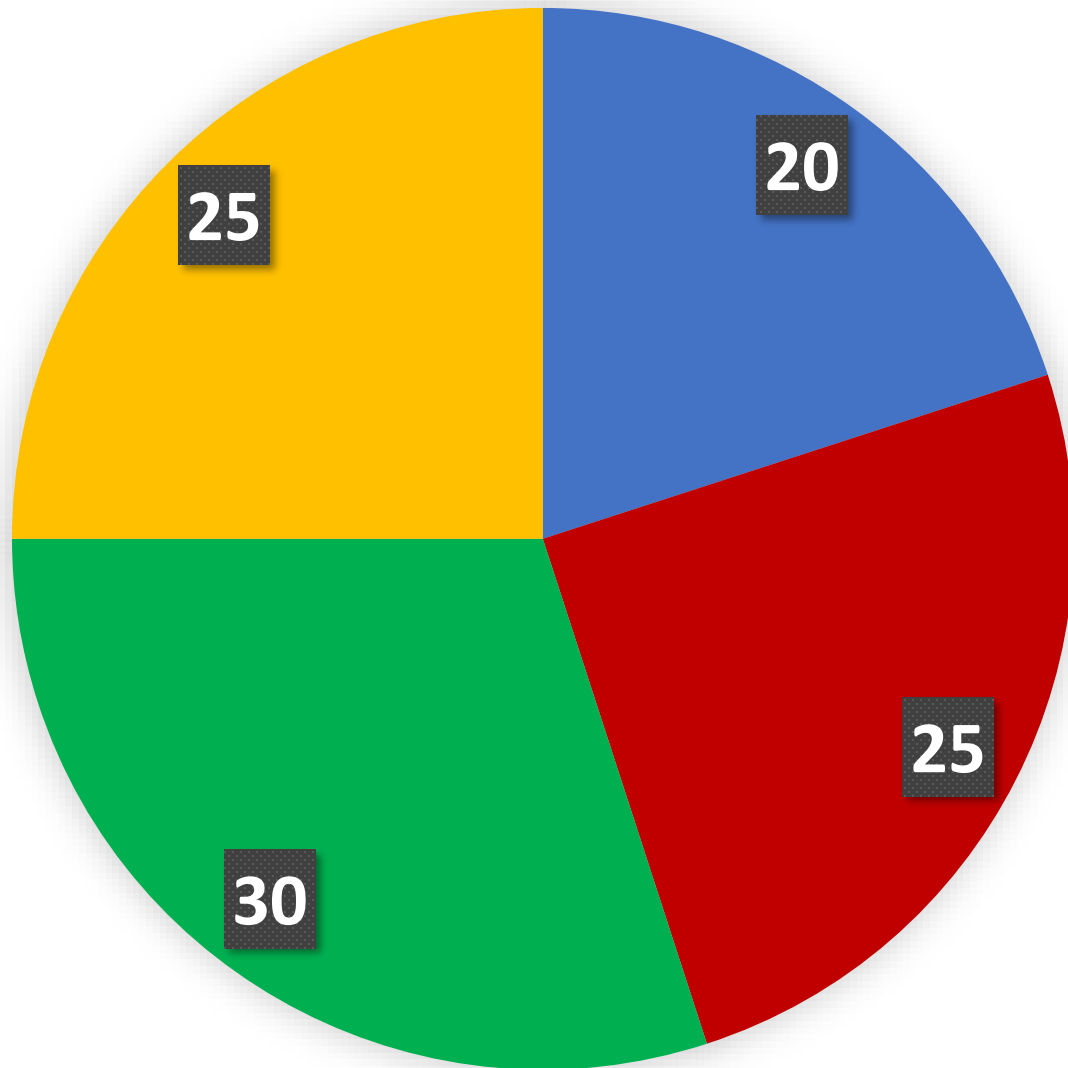
It is an online exam conducted twice a year for both male and female candidates to join IAF as Group 'A' Gazetted Officers in the Flying, Weapons System and Ground Duty (Technical and Non-Technical) branches.



AFCAT 1 2025 Exam Pattern

EXAM	SUBJECTS	DURATION	QUESTIONS	MARKS
AFCAT	General Awareness, Verbal Ability in English, Numerical Ability and Reasoning and Military Aptitude Test	2 Hours	100	300

AFCAT 1 2025 Question Pattern



- Numerical Ability ✓
- Reasoning & Military Aptitude ✓
- English or Verbal Ability ✓
- General Awareness ✓

AFCAT 1 2025 Marking Scheme

- **3 marks** is awarded for each correct answer.
- **1 mark** is deducted for each incorrect answer. ✓
- No marks for unattempted questions. ✓



AFCAT Previous Years' Cut off Marks

AFCAT PAPERS	AFCAT CUT OFF	EKT CUT OFF
AFCAT 2 2024	To Be Uploaded	-
AFCAT 1 2024	137	-
AFCAT 2 2023	151	-
AFCAT 1 2023	155	-
AFCAT 2 2022	157	15
AFCAT 1 2022	157	18
AFCAT 2 2021	157 ✓	18
AFCAT 1 2021	165 ✓	30
AFCAT 1 2020	153 ✓	40
AFCAT 2 2019	142 ✓	50
AFCAT 1 2019	133 ✓	50

AFCAT 1 2025 Expected Cut off Marks

AFCAT 1 2025 Cut-off Marks: 150 - 160

(safe-side)

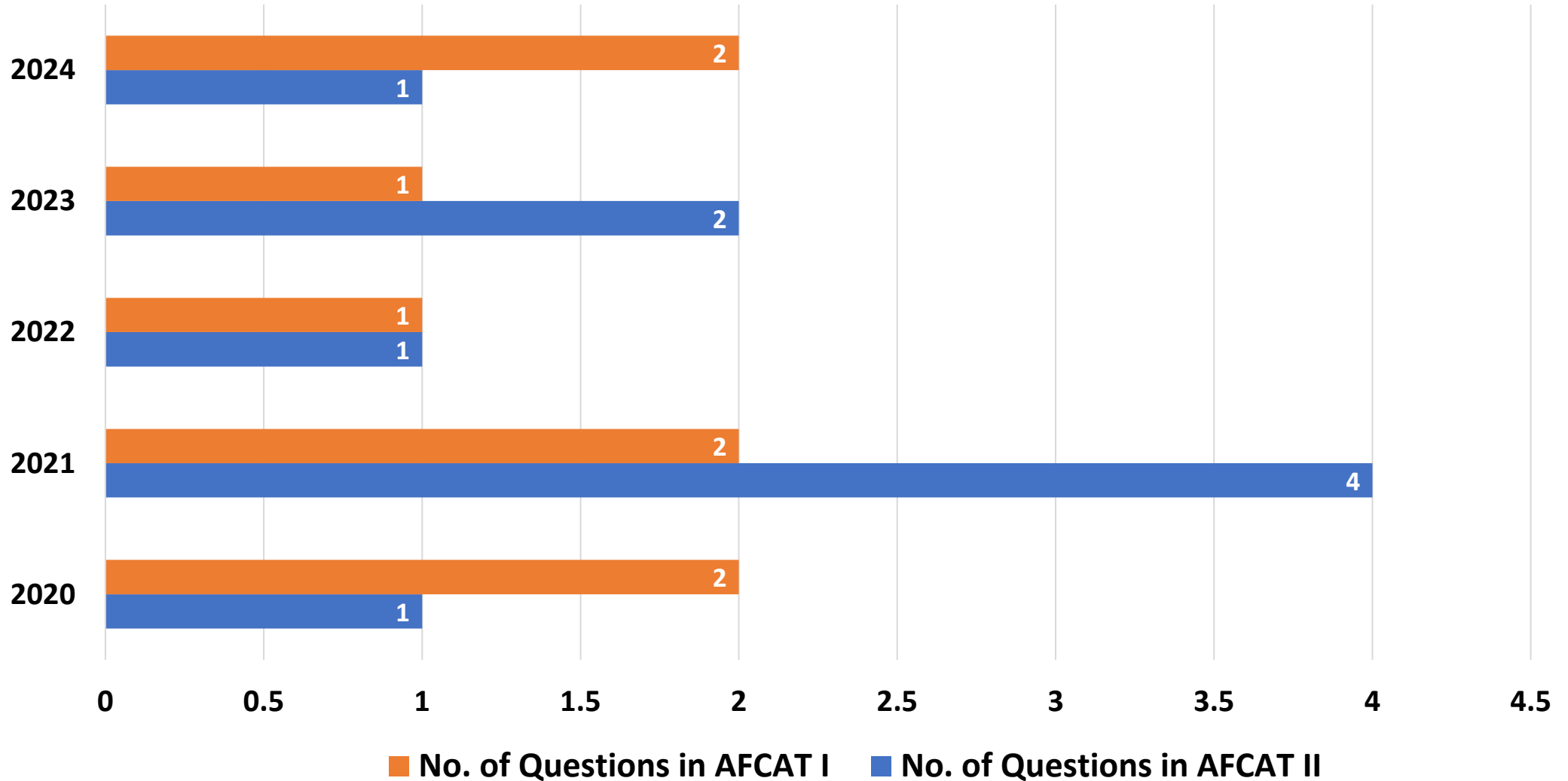


Components of AFCAT Numerical Ability Syllabus

- Percentage ✓
- Profit & Loss ✓
- Time & Work ✓
- Simple & Compound Interest ✓
- Speed, Distance & Time ✓
- Boat & Stream ✓
- Ratio & Proportion ✓
- Mixture Allegation ✓
- Average ✓
- Number system ✓
- Decimal and Fraction ✓
- Area and Perimeter ✓
- Probability ✓
- Clock ✓

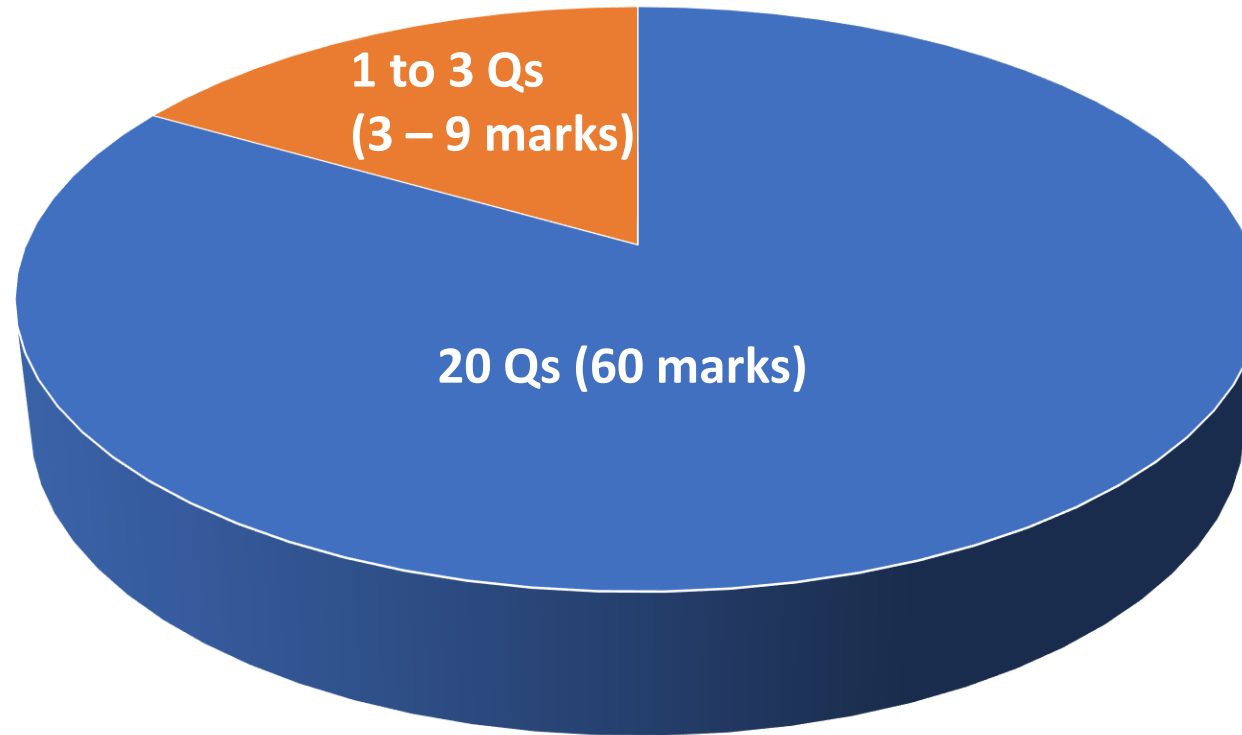
PERCENTAGE

AFCAT Previous Years Q&A Analysis



PERCENTAGE

Expected No. of Questions & Marks Division



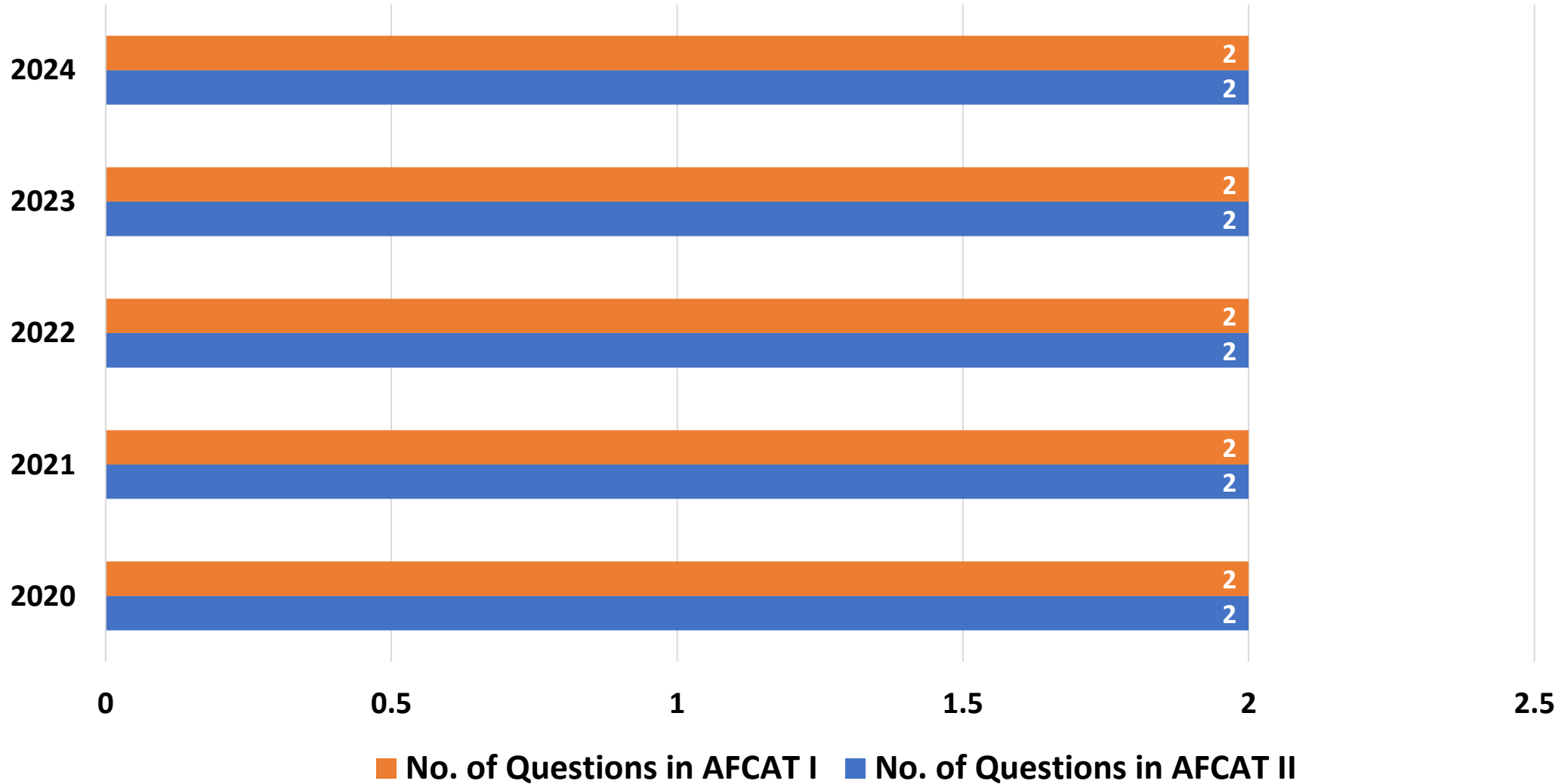
- Total no. of Questions & Marks
- No. of Percentage Questions & Marks (Approx.)

PERCENTAGE

- It is a very basic chapter.
- One should know the conversions from Percentage to Decimals ✓
and Fractions. ✓
- Should also be thorough with the important formulas and also ✓
check the problems related to Population.

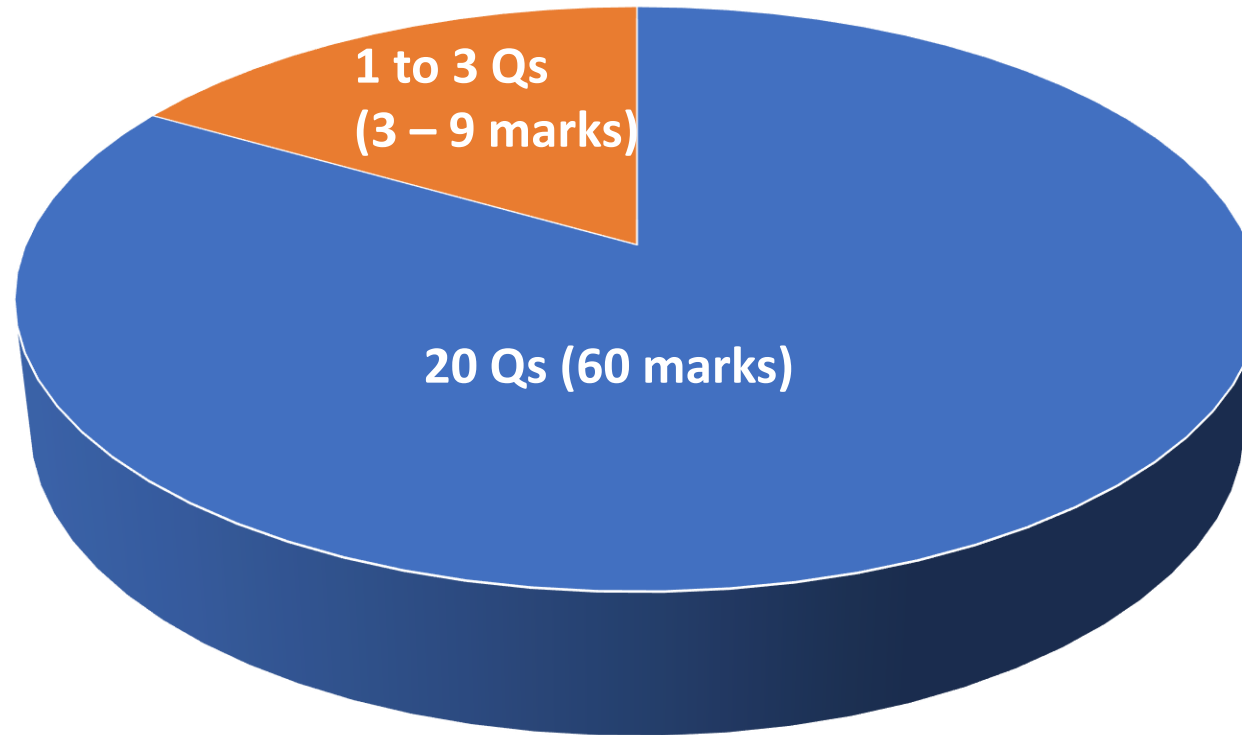
PROFIT & LOSS

AFCAT Previous Years Q&A Analysis



PROFIT & LOSS

Expected No. of Questions & Marks Division



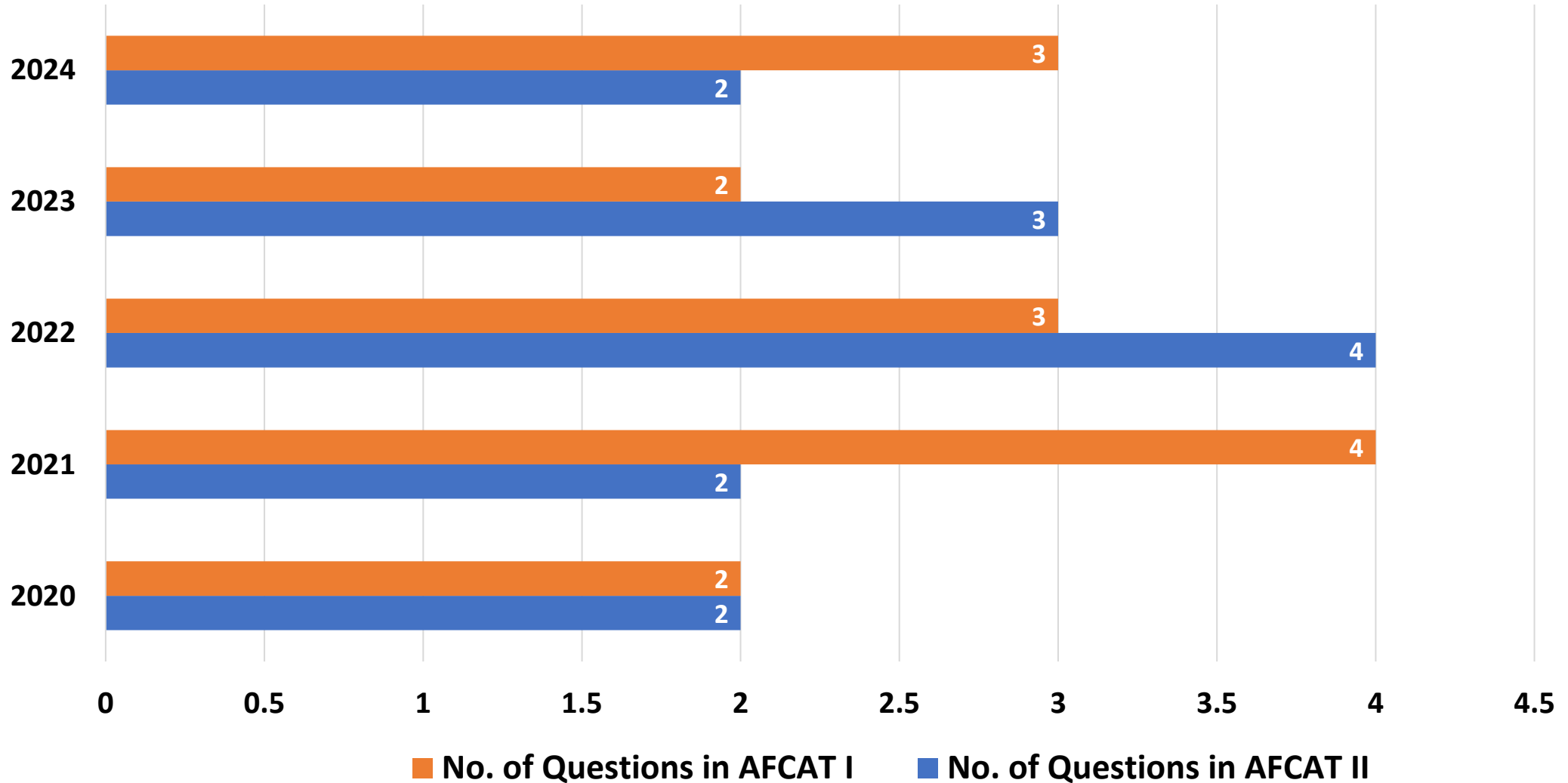
- Total no. of Questions & Marks
- No. of Profit & Loss Questions & Marks (Approx.)

PROFIT & LOSS

- Basic knowledge of concepts like Profit, Profit%, Loss, Loss% and discount is required.
- Concepts of percentage can be very much helpful.
- Also, there are some important formulas that can help in solving the questions at a faster pace.

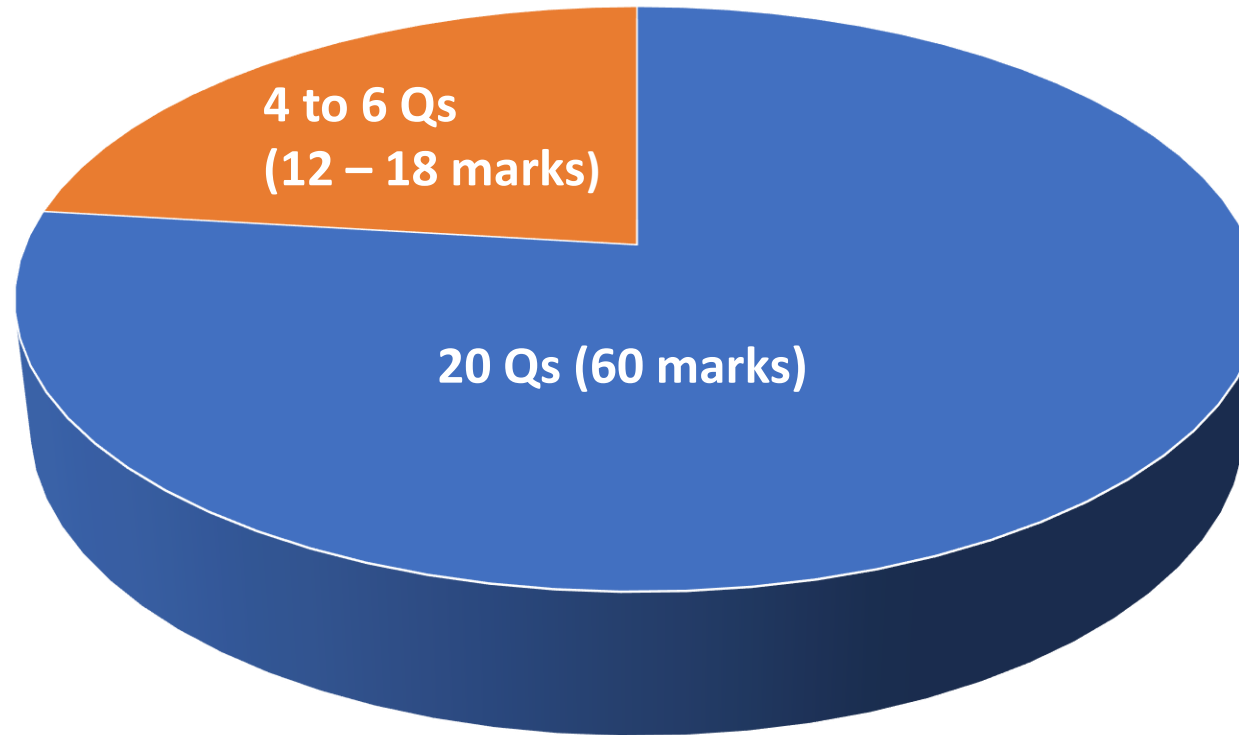
SPEED, DISTANCE & TIME

AFCAT Previous Years Q&A Analysis



SPEED, DISTANCE & TIME

Expected No. of Questions & Marks Division



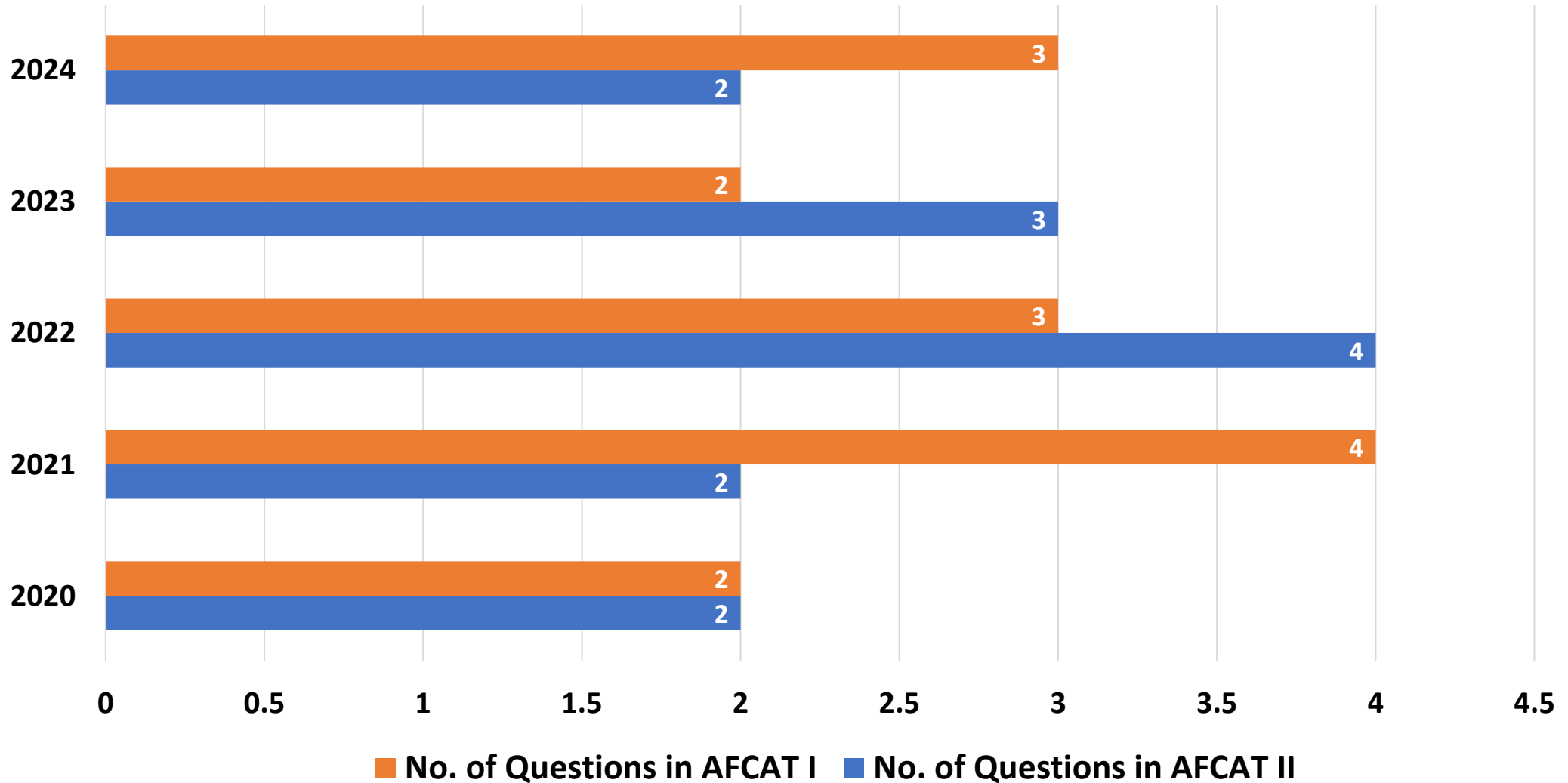
- Total no. of Questions & Marks
- No. of Speed, Distance & Time Questions & Marks (Approx.)

SPEED, DISTANCE & TIME

- This chapter is based on formula, $\text{Distance} = \text{Speed} \times \text{Time}$.
- One question can be asked from Average Speed. ✓
- Concept of Relative Speed is useful for solving the questions related to Trains.
- Study the concepts of Boat and Streams based questions thoroughly and have a look at Races related problems. ✓

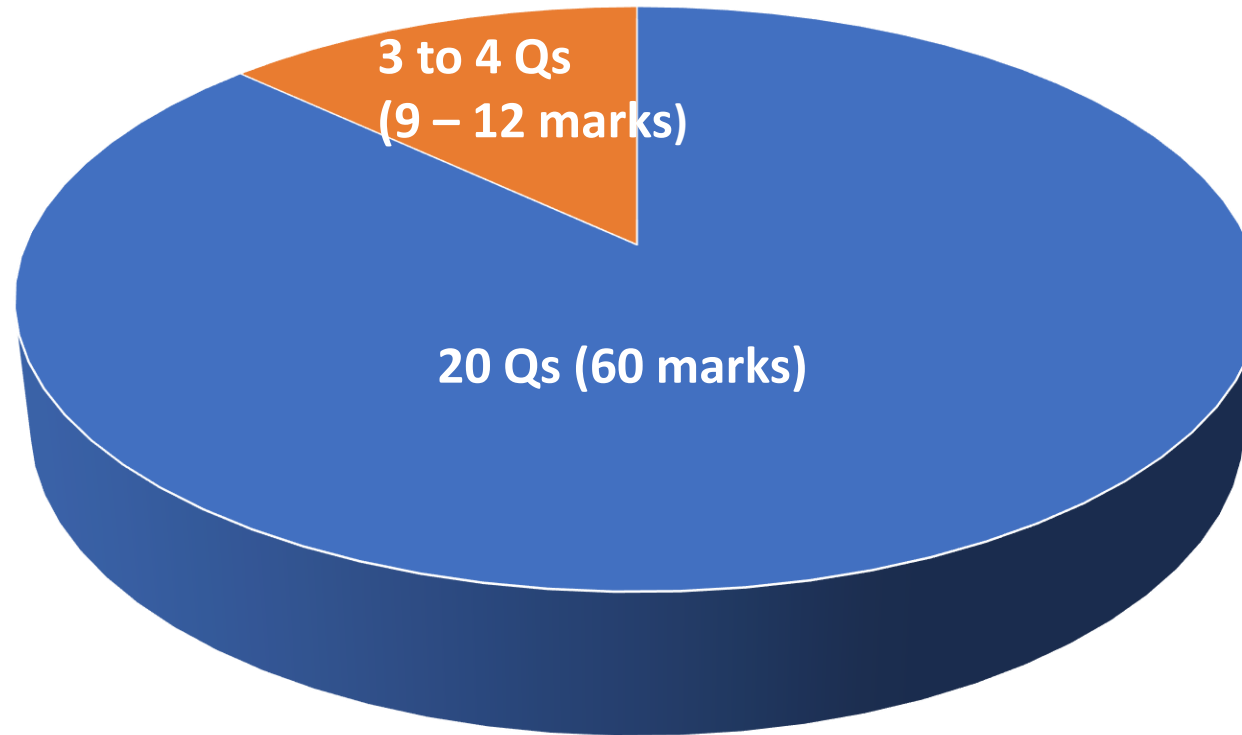
TIME & WORK

AFCAT Previous Years Q&A Analysis



TIME & WORK

Expected No. of Questions & Marks Division



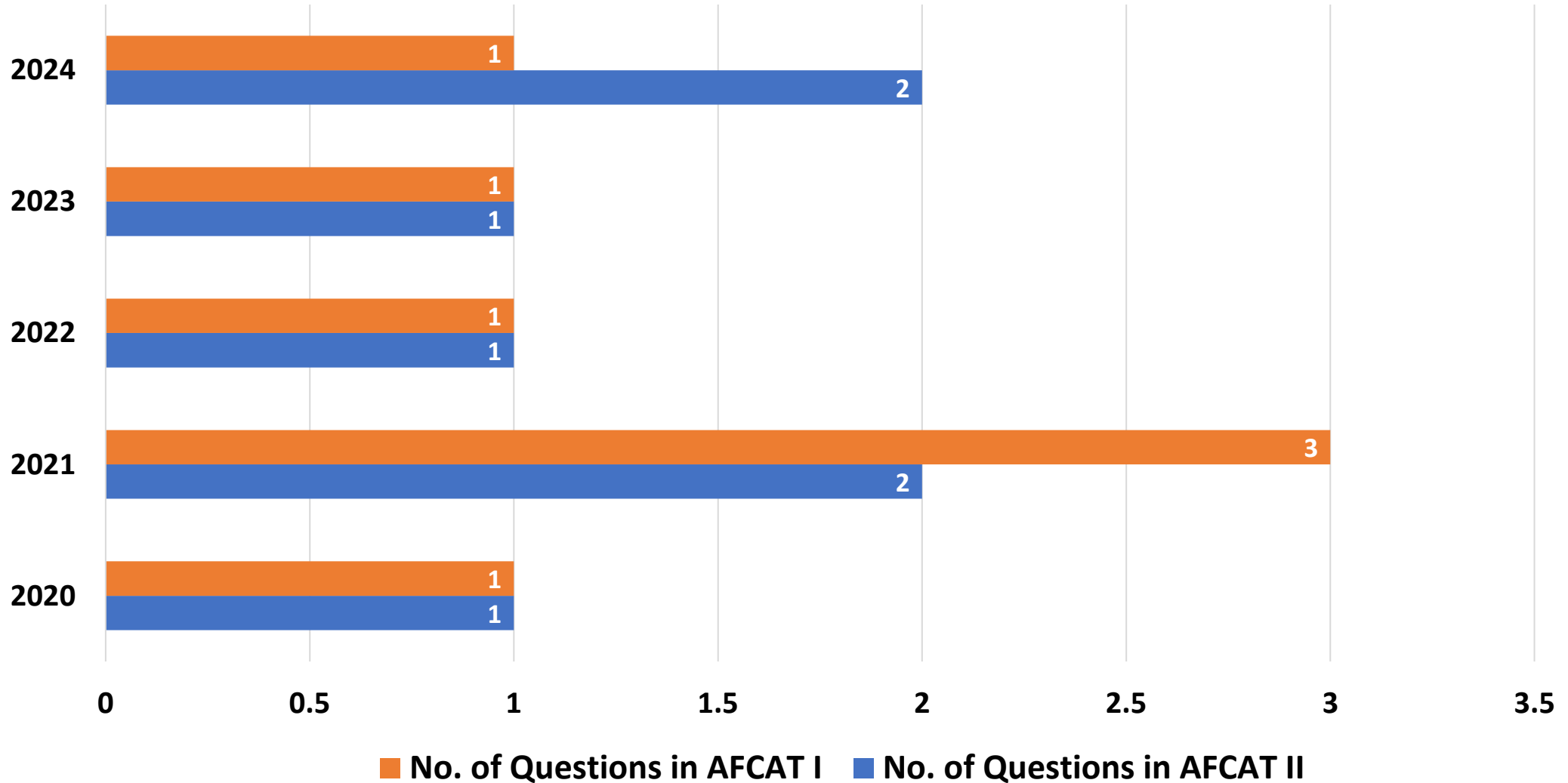
- Total no. of Questions & Marks
- No. of Time & Work Questions & Marks (Approx.)

TIME & WORK

- There are two different topics covered under this chapter, Time & Work and Pipes & Cisterns and the concepts for both these topics are almost same.
- If the basics are strong, one can easily solve each and every question from this chapter.
- You can also refer the LCM Approach which is always very helpful in solving the questions by simplifying the calculations.

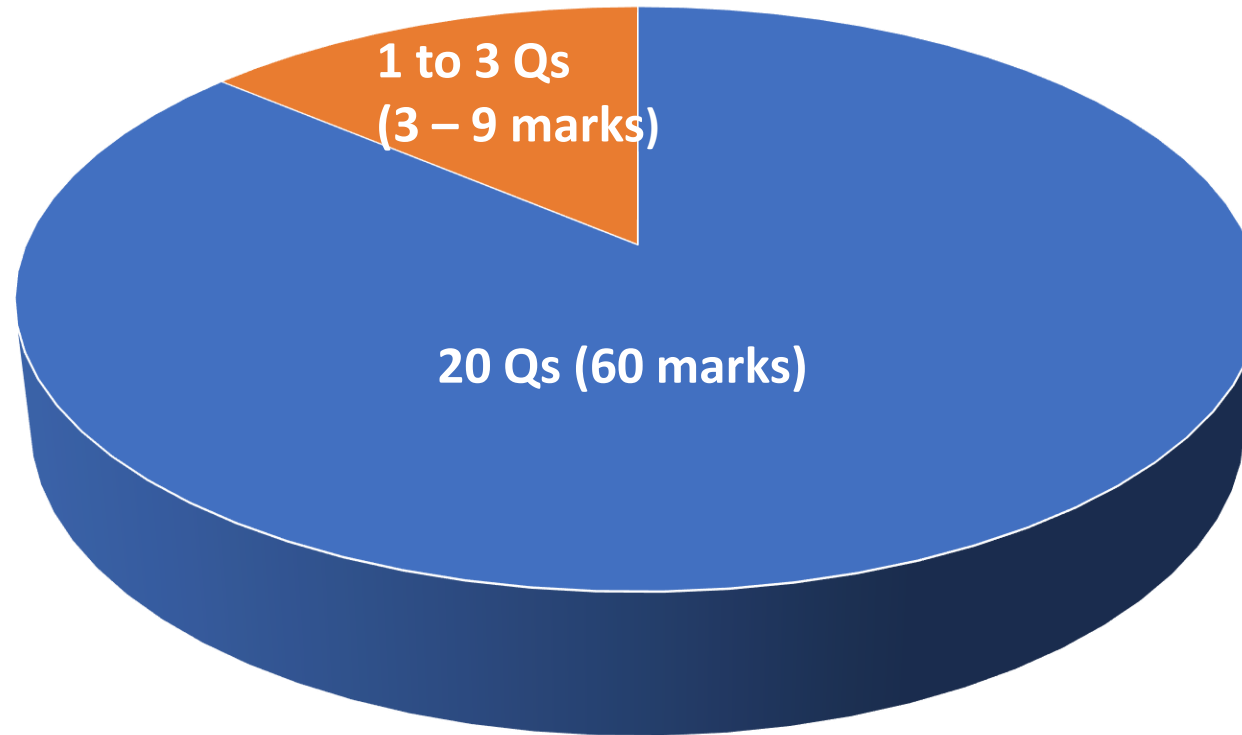
SIMPLE & COMPOUND INTEREST

AFCAT Previous Years Q&A Analysis



SIMPLE & COMPOUND INTEREST

Expected No. of Questions & Marks Division



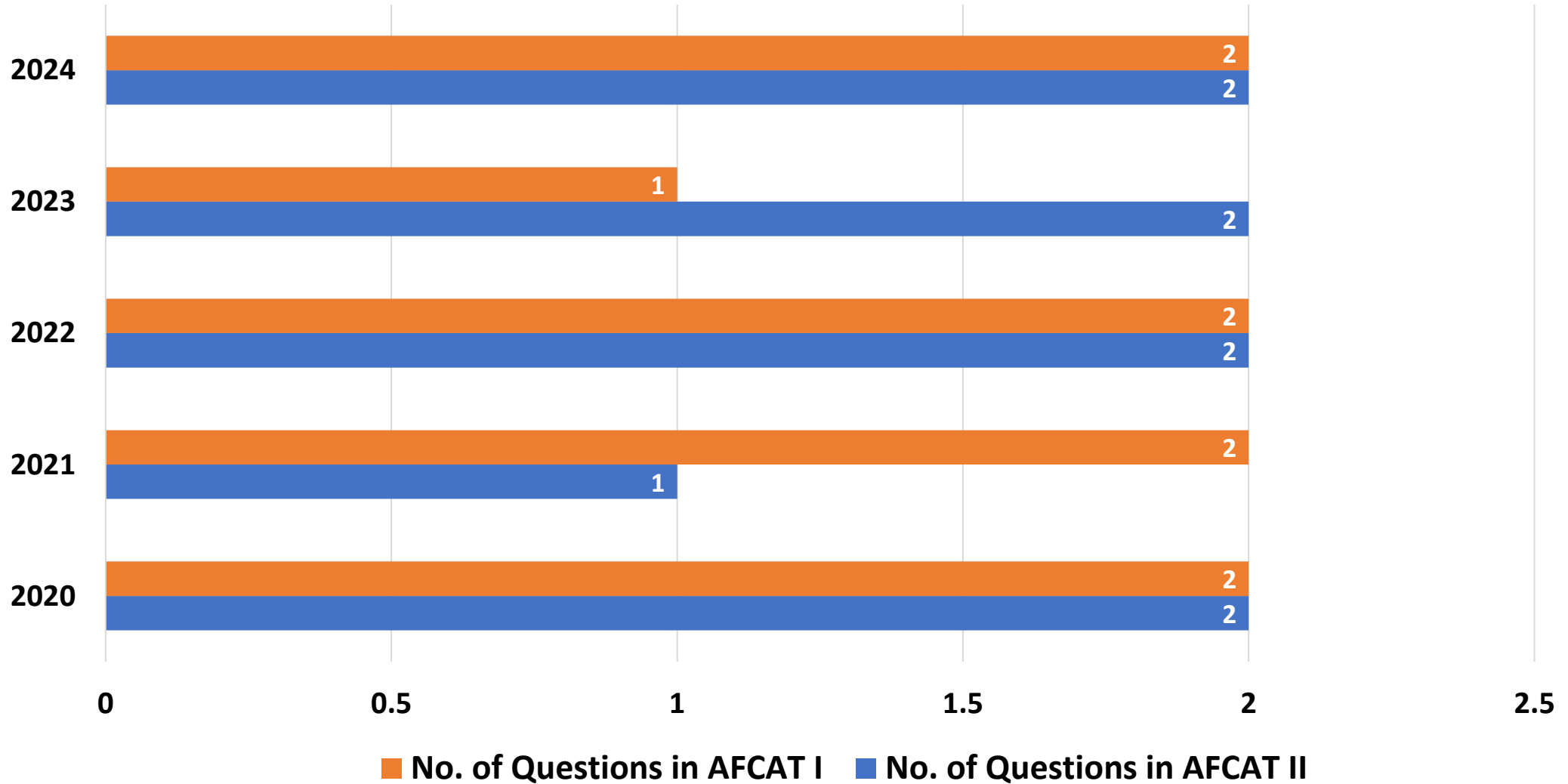
- Total no. of Questions & Marks
- No. of Simple & Compound Interest Questions & Marks (Approx.)

SIMPLE & COMPOUND INTEREST

- Basic formulas of SI, CI and Amount should be clear as by using them, most of the questions can be solved very easily.
- After that one can easily proceed towards understanding and learning other important formulas which will help in solving the questions at a very fast pace.

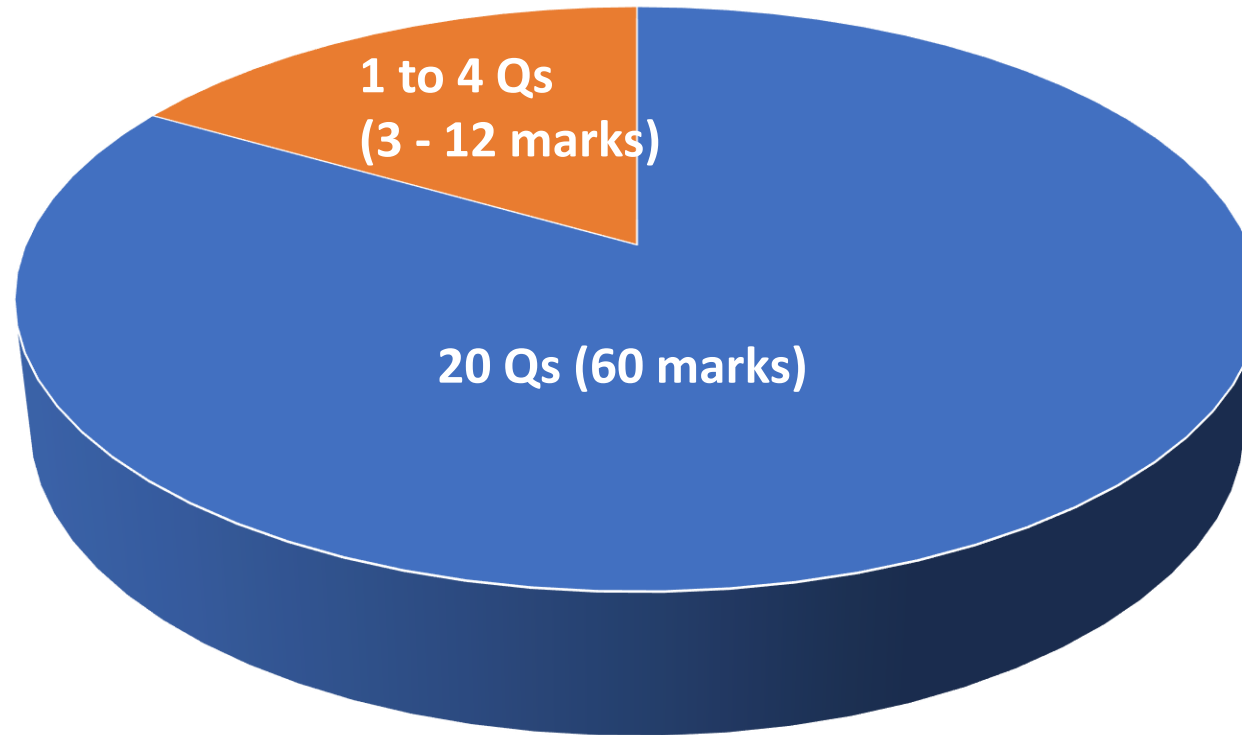
AVERAGE

AFCAT Previous Years Q&A Analysis



AVERAGE

Expected No. of Questions & Marks Division



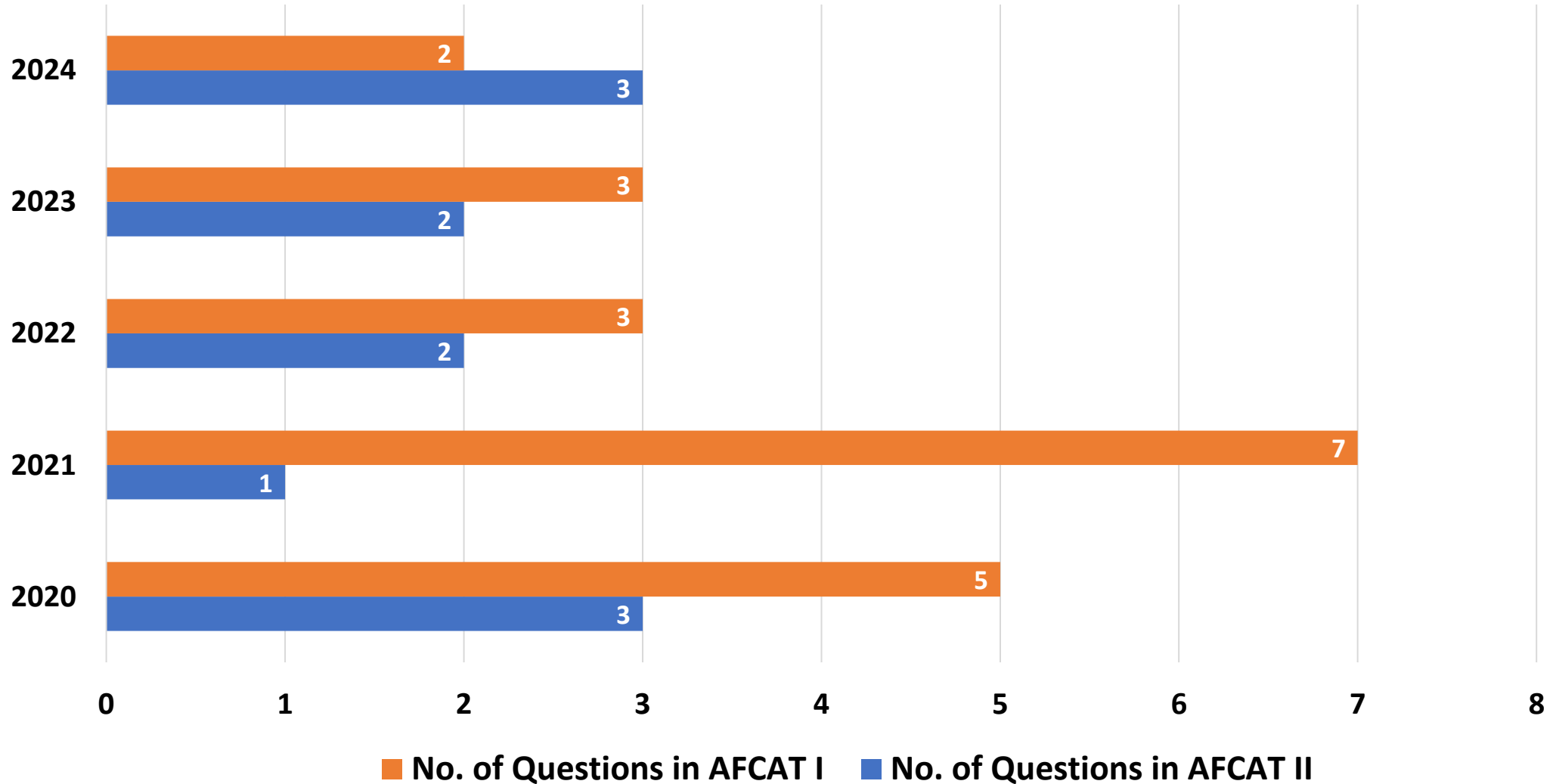
- Total no. of Questions & Marks
- No. of Average Questions & Marks (Approx.)

AVERAGE

- There is one basic formula that is **Average = Sum of Numbers/Total Numbers** and mostly all the questions can be solved by applying this formula.
- Sometimes questions can be very lengthy, hence for saving the time, one can practice other important formulas also.

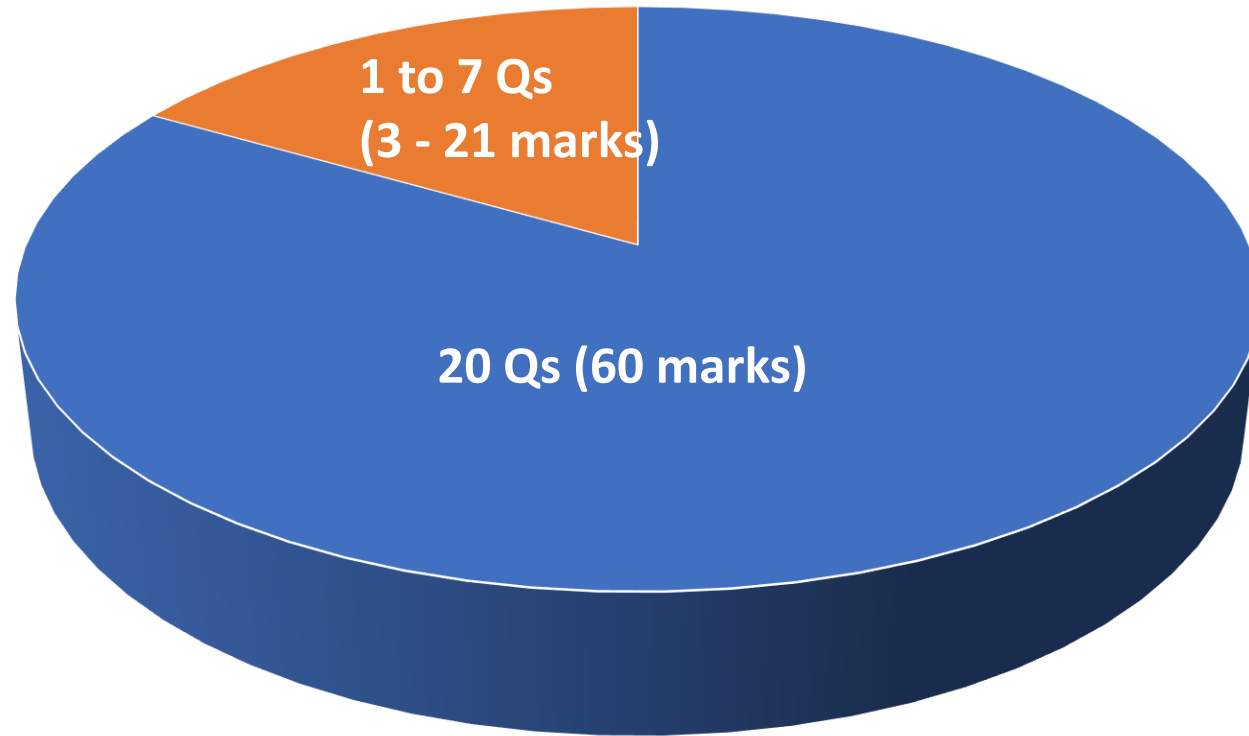
RATIO & PROPORTION

AFCAT Previous Years Q&A Analysis



RATIO & PROPORTION

Expected No. of Questions & Marks Division



■ Total no. of Questions & Marks

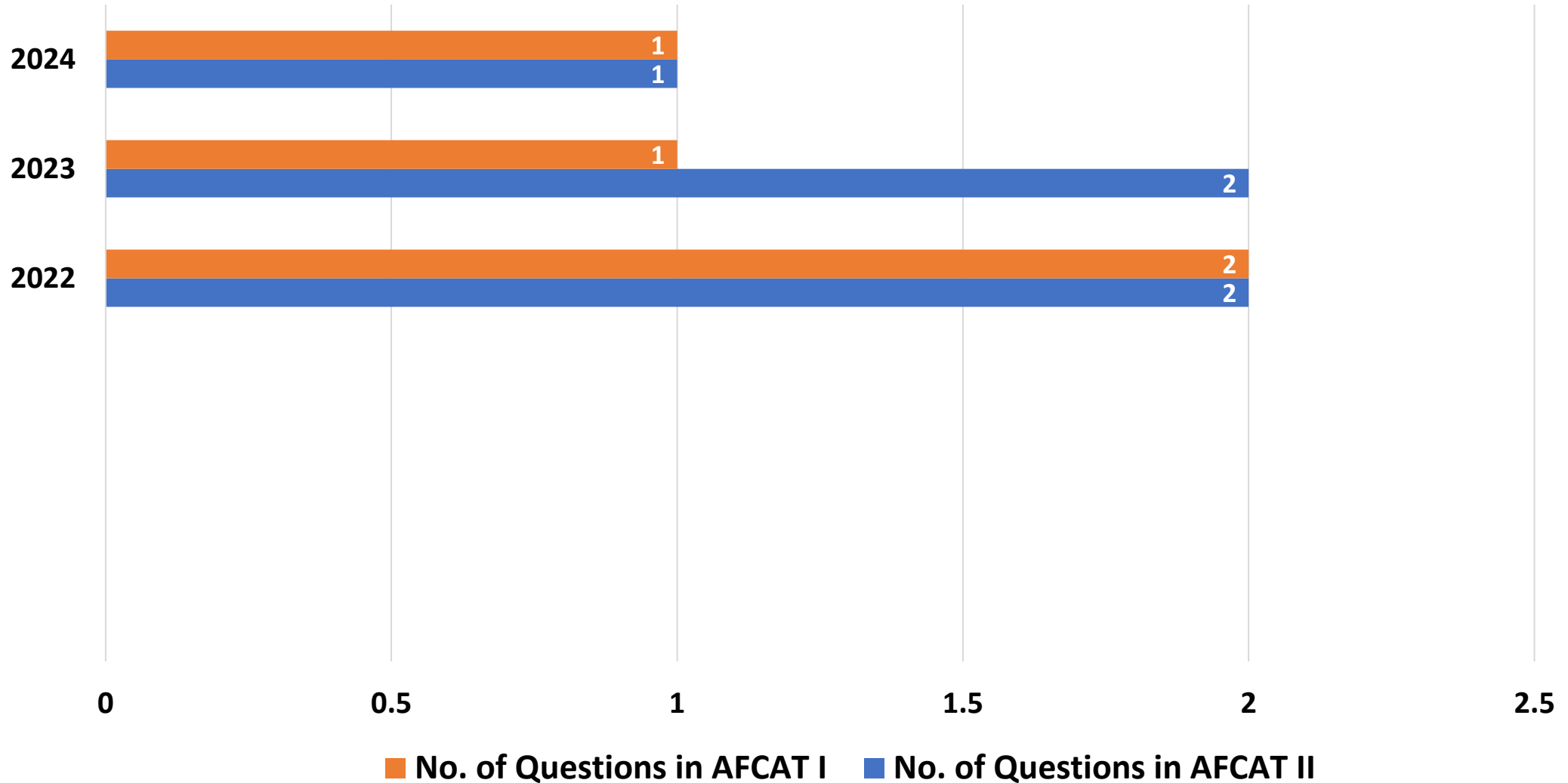
■ No. of Ratio & Proportion Questions & Marks (Approx.)

RATIO & PROPORTION

- Questions from this topic are of easy level.
- One should have a basic understanding of the concepts.
- One question can also be asked from Mixture & Allegations.

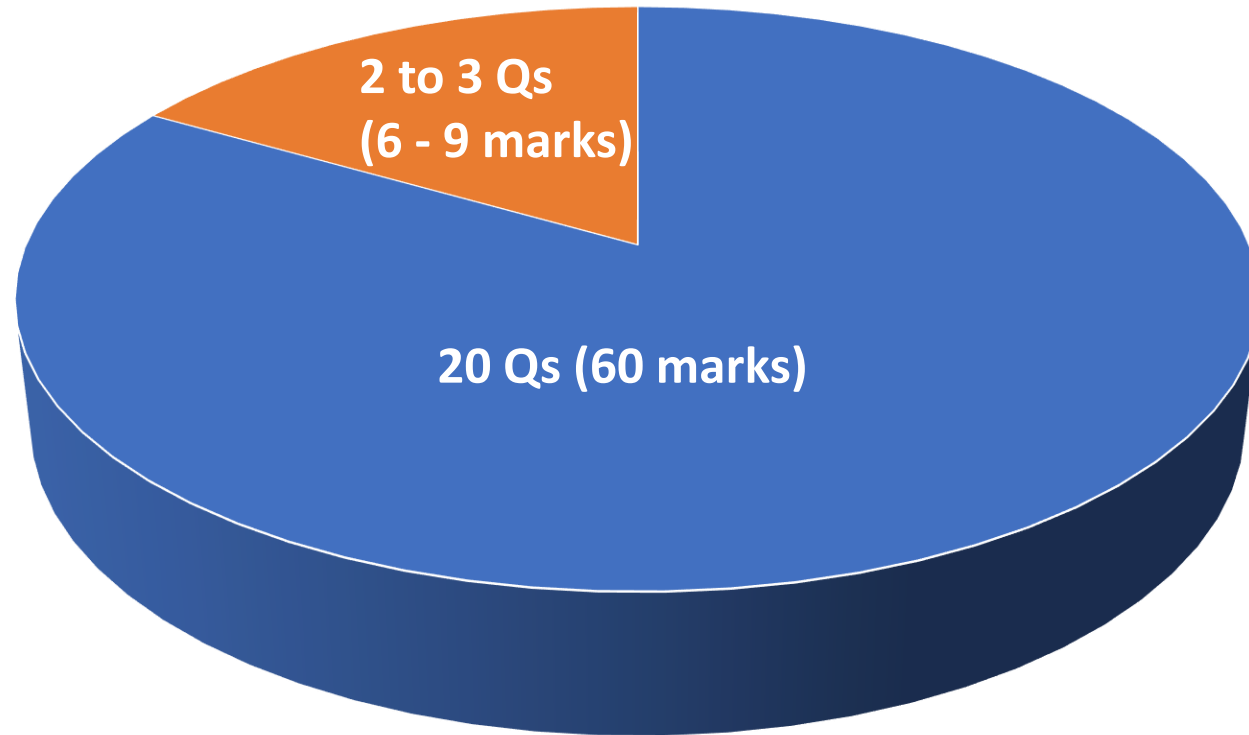
AREA & PERIMETER

AFCAT Previous Years Q&A Analysis



AREA PERIMETER

Expected No. of Questions & Marks Division



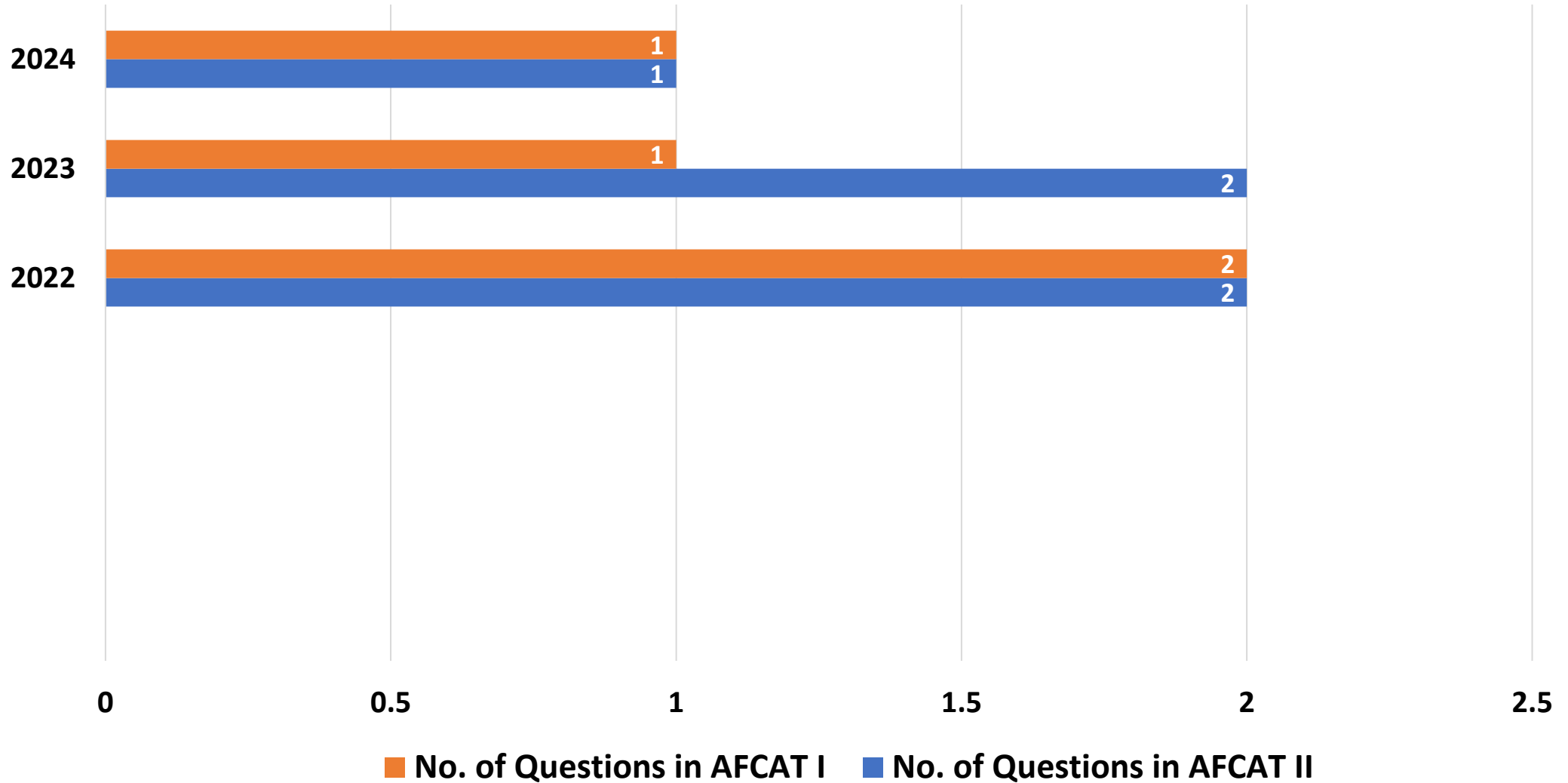
- Total no. of Questions & Marks
- No. of Ratio & Proportion Questions & Marks (Approx.)

AREA PERIMETER

- Questions from this topic are of easy level.
- One should have a basic understanding of the concepts.
- Make Command over formula
- Practice CDS PYQ of 2D Mensuration

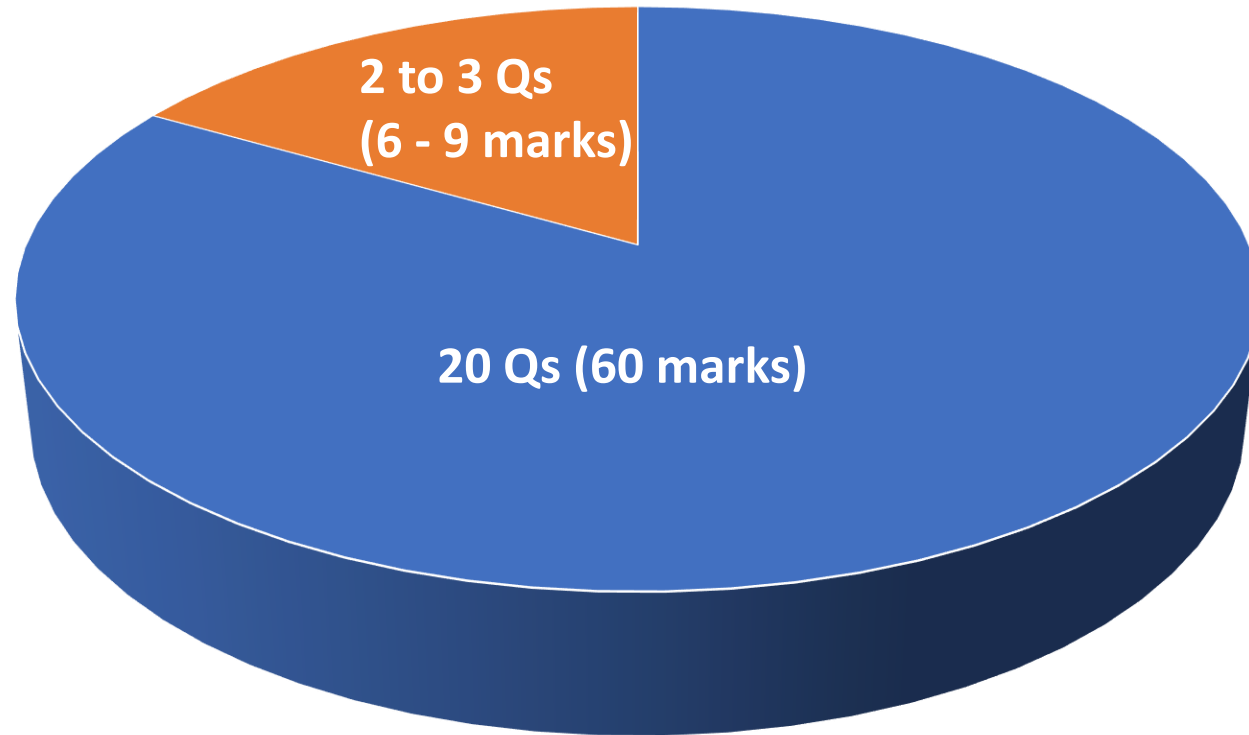
PROBABILITY

AFCAT Previous Years Q&A Analysis



PROBABILITY

Expected No. of Questions & Marks Division



■ Total no. of Questions & Marks

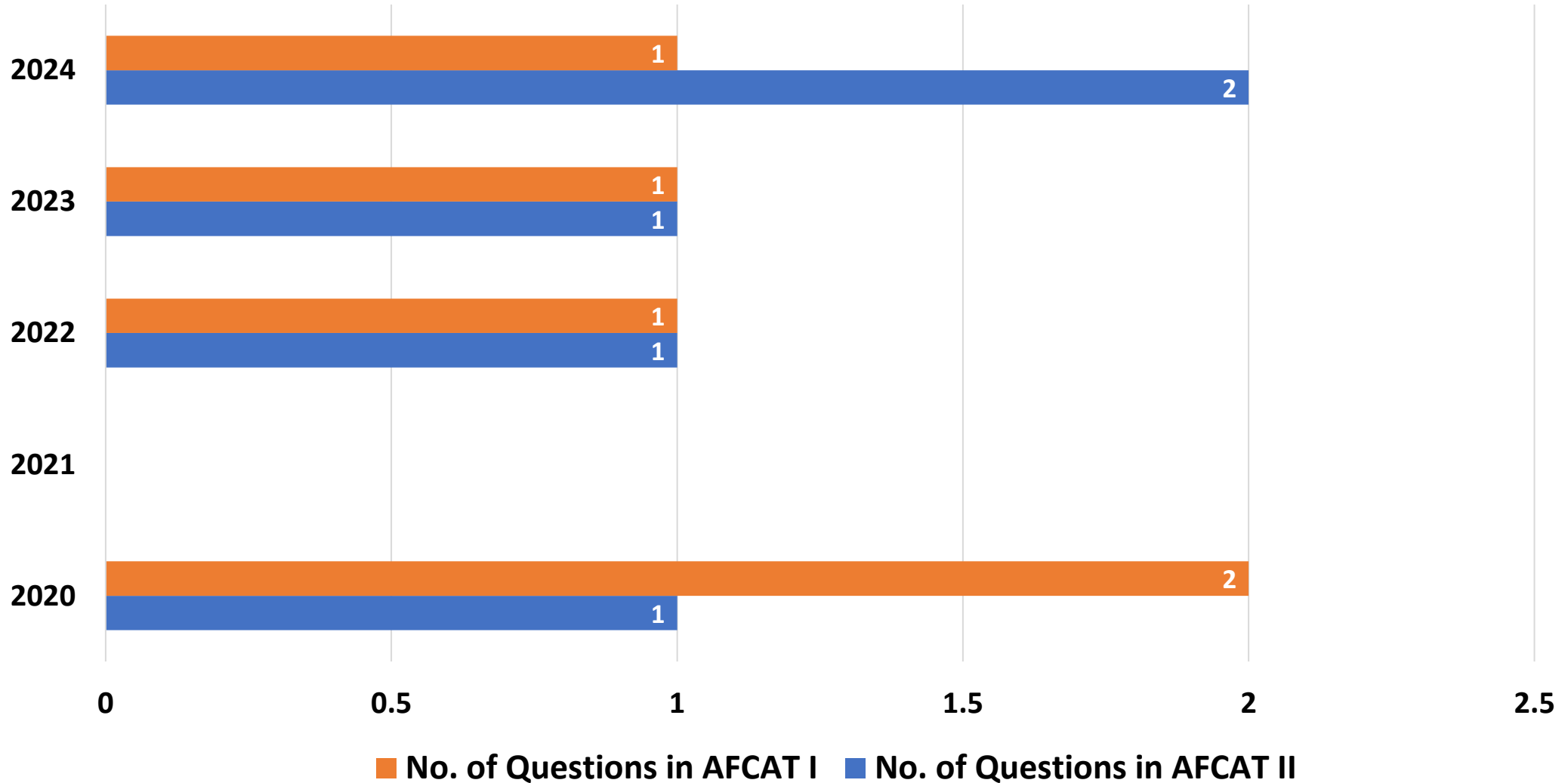
■ No. of Ratio & Proportion Questions & Marks (Approx.)

PROBABILITY

- This is New topic only 1 – 2 question comes, Understanding of basic questions is mandatory if you have time and completed other topics then you can go higher level probability.

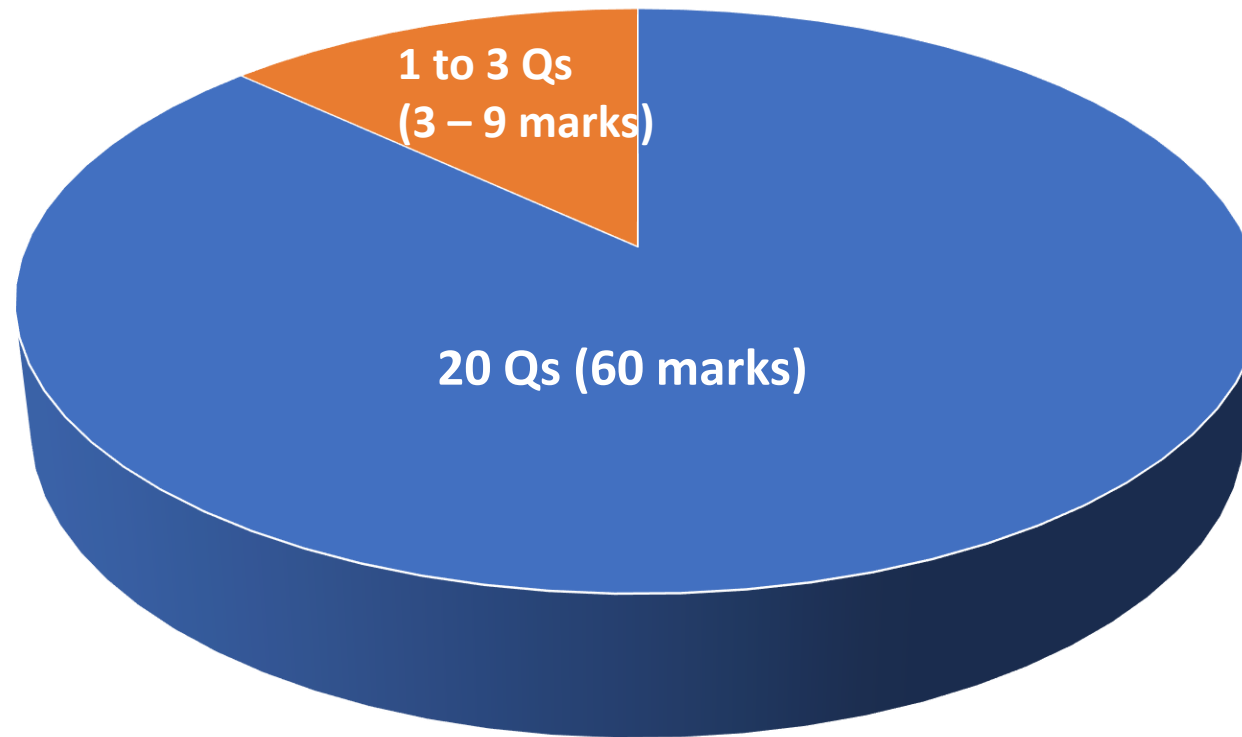
NUMBER SYSTEM

AFCAT Previous Years Q&A Analysis



NUMBER SYSTEM

Expected No. of Questions & Marks Division



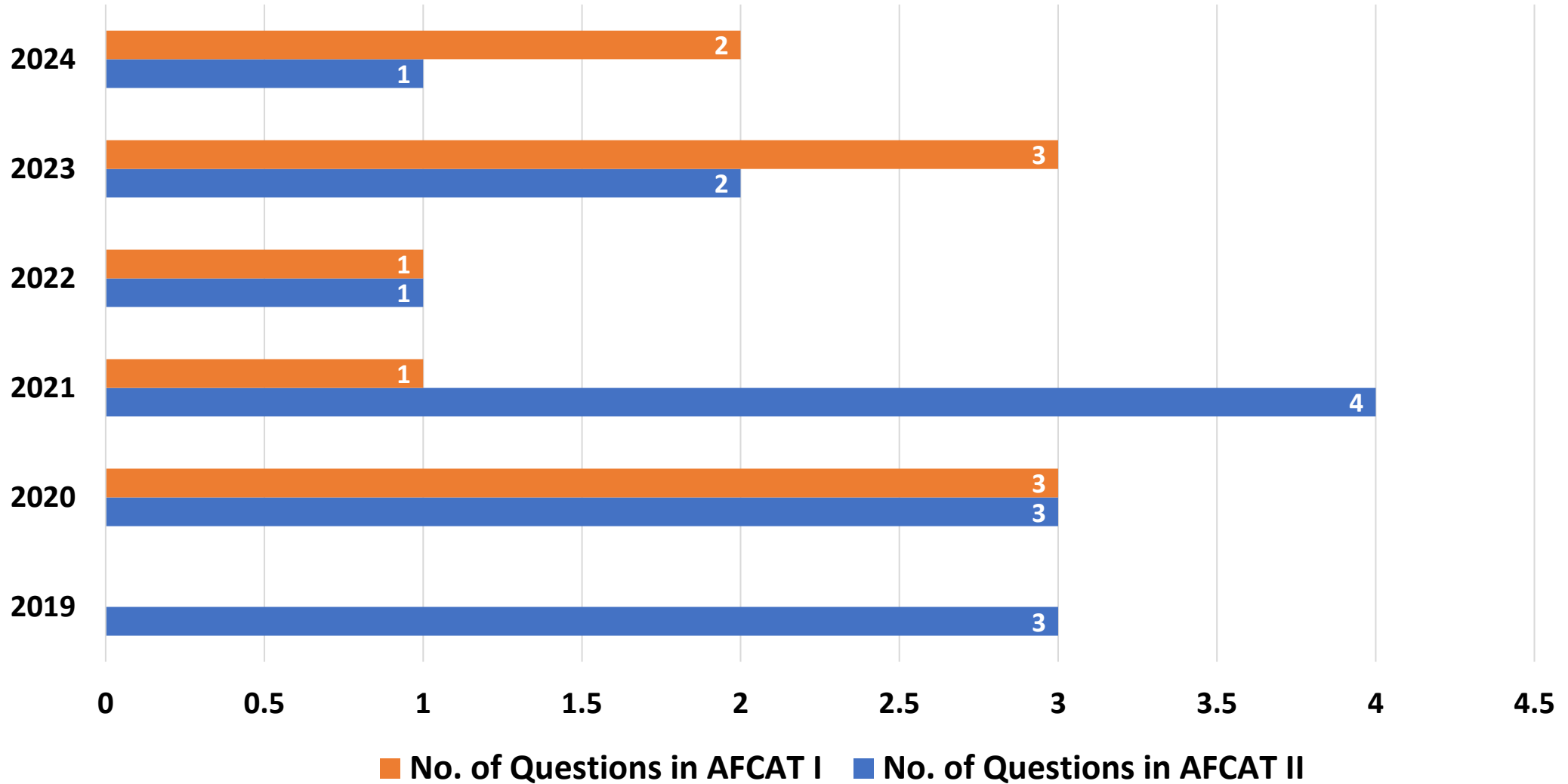
- Total no. of Questions & Marks
- No. of Number System Questions & Marks (Approx.)

NUMBER SYSTEM

- Mostly questions are from Simplification of some long numerical statements which can easily be solved using BODMAS rule.
- One should work on improving the calculations and basics should be good.

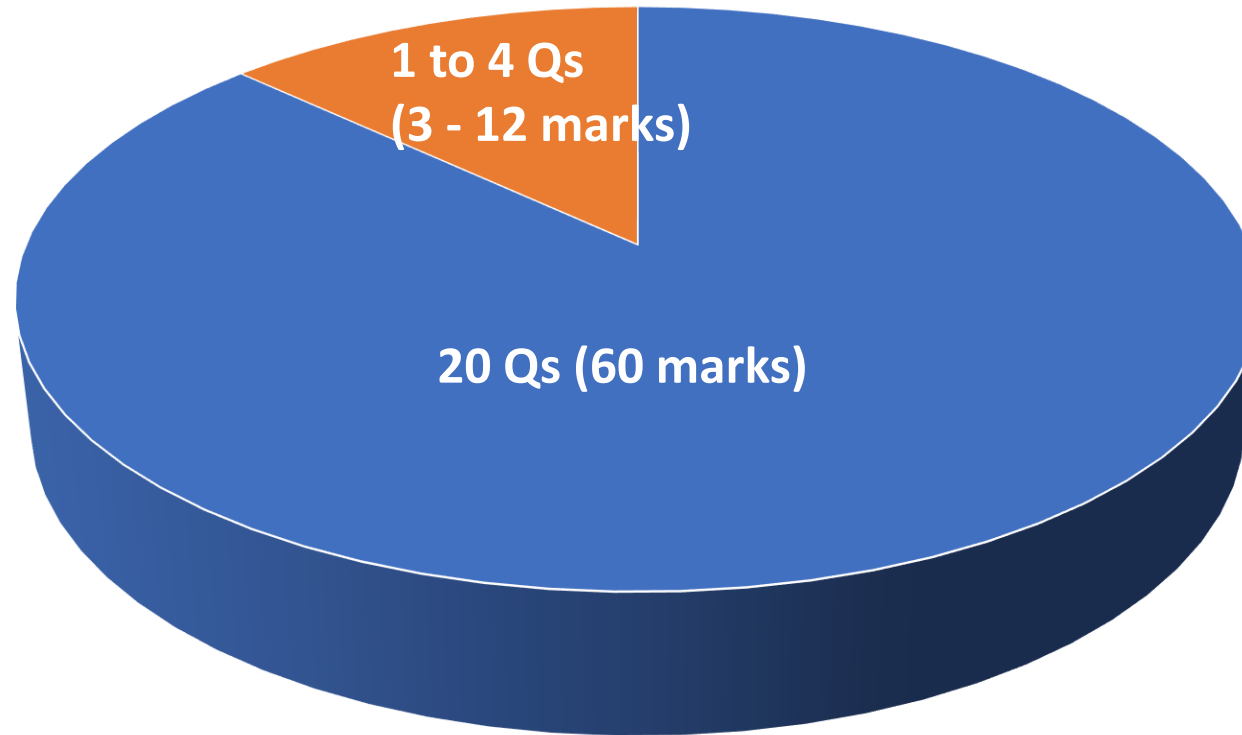
ALGEBRA

AFCAT Previous Years Q&A Analysis



ALGEBRA

Expected No. of Questions & Marks Division



- Total no. of Questions & Marks
- No. of Algebra Questions & Marks (Approx.)

ALGEBRA

- Questions from Problems on Ages will always be there.
- Algebraic identities plays a vital role in solving the questions related to finding the value of x and have a quick glance at the basics also.

Expected Number of Questions in AFCAT 1 2025

Main Topics	No. of Expected Questions
✓ Percentage	2
Profit & Loss	2-3
Simple & Compound Interest	1-2
Speed, Distance & Time	3-4
Time & Work	2-3
Average	2-3
Ratio & Proportion	2-3
Algebra	2-3
Area Perimeter	2
Probability	1-2
Number system	1

AFCAT 1 2025 – NUMERICAL ABILITY LIVE CLASSES

TOPIC	NO. OF CLASSES
Percentage	2
Profit and Loss	3
Simple and Compound Interest	3
Time and Work	3
Average	2
Ratio and Proportion	3
Probability	2
Number System	5
Mensuration 2D	4
Clocks	1
Miscellaneous Topics	1

24th Sept – 4th Nov

2:30 – 3:30 PM (Mon – Fri)

Tips To Remember

- 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 in 2 months 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.

Tips To Remember

- Practice more and more number of questions and give quick revisions to the concepts on timely basis.
- Solve minimum 5 years previous years' questions of AFCAT. (10 AFCAT Exams)
- Last and the most important thing is to have faith in yourself, be confident as you know that you have studied everything and will surely crack this one with 100% accuracy.

CDS-AFCAT 1 2025

SSBCrack
EXAMS

LIVE

MATHS

PERCENTAGE

CLASS 1



NAVJYOTI SIR