# CSAT

# CSAT SYLLABUS

| | MATHS | REASONING | READING COMPREHENSION |
|---|---|---|---|
| Average | 25-30 Q`s | 20-25 Q`s | 25-30 Q`s |
| 2020 | 42 Q`s | 13 Q`s | 25 Q`s |

# REASONING (GMA, AR, LR)

| SL. NO. | SESSION NAME | SESSION DETAILS |
|---|---|---|
| 1 | Reas-1 | Series & Coding-Decoding |
| 2 | Reas-2 | Blood Relation & Direction |
| 3 | Reas-3 | Clock & Calendar |
| 4 | Reas-4 | Dice & Cubes |
| 5 | Reas-5 | Application of Sets |
| 6 | Reas-6 | Sitting Arrangement & Ranking |
| 7 | Reas-7 | Puzzles (Table Formation) |
| | | Analytical Reasoning |
| 8 | Reas-8 | (No. of Triangles, Squares, Rectangles) |
| 9 | Reas-9 | Non-Verbal Reasoning |
| 10 | Reas-10 | Syllogism |
| 11 | Reas-11 | Statement- Assumption , Strong & Weak Argument |
| 12 | Reas-12 | Course of Action , Cause & Effect |

# MATHS (BASIC NUMERACY)

| SL NO. | SESSION NAME | SESSION DETAILS |
|---|---|---|
| 1. | M-1 | NUMBER SYSTEM Part-1 |
| 2. | M-2 | NUMBER SYSTEM Part-2 |
| 3. | M-3 | LCM & HCF |
| 4. | M-4 | Percentage |
| 5. | M-5 | Profit-Loss & Discount |
| 6. | M-6 | Ratio & Proportion |
| 7. | M-7 | Average & Age |
| 8. | M-8 | DI & |
| 9. | M-9 | Time, Speed & Distance |
| 10 | M-10 | Time & Work |
| 11 | M-11 | Mensuration |
| 12 | M-12 | Permutation & Combination |
| 13 | M-13 | Probability |

# APPLICATIONS OF SETS

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* Applications of Sets

* Maxima & Minima
* CSAT  Questions

# APPLICATIONS OF SETS

# Applications of Sets

1Q: A survey shows that 74% Indian like apples and 68% like oranges, how much percent of Indian like both apples & oranges.

a) 40
b) 41
c) 42
d) CBD

# Applications of Sets

2Q: In a group of some people, 80% people drink tea and 70% people drink coffee. If 10% of the people don`t drink anything then how many people drink both tea and coffee.

a) 50%
b) 55%
c) 60%
d) 65%

# Applications of Sets

3Q: In an examination 52% students fail in hindi and 40% students in english. If 17% students failed in both, then how many students passed in both.

a) 20%
b) 22%
c) 23%
d) 25%

# Applications of Sets

4Q: In an examination 60% students passed in english and 70% in maths, If 20% students failed in both and 2500 student passed in both subjects then what is the total no. of students in the room?

a) 4000
b) 5000
c) 3000
d) 6000

# Applications of Sets

5Q: In the athletic team of school, 21 students play cricket, 26 play tennis and 29 play badminton, 14 students play cricket and tennis, 12 students play cricket and badminton, 15 play tennis and badminton and 8 play all the three. If every student of the athletic team play either of the games, then what is the no. of students in the athletic team?

a) 42
b) 43
c) 44
d) 45

# Applications of Sets

**6Q: There are 175 students in a class, from which 100 students study math, 70 study science, 46 study Hindi ,30 in Math and science, 28 study Hindi and Math, 23 study science & Hindi and 18 students study science, Hindi & Math, how many students study anything else except maths,science & Hindi?**

**a) 12**
**b) 15**
**c) 20**
**d) 22**

# Applications of Sets

**7Q: In a group of students, 45 take tea, in which only 30 take tea, 28 take coffee, 25 take lassi, in which 11 takes only lassi. 7 take tea and lassi but not coffee, 5 take tea and coffee but not lassi and 10 take both tea and lassi, how many students take only coffee.**

**a) 7**
**b) 15**
**c) 16**
**d) 8**

# Applications of Sets

**8Q: Out of a total of 120 musicians in a club 5% can play all the three instruments, guitar, violin and flute. If so happens that the number of musician who can play any two and only two of the above instrument is 30. The number of musician who can play the guitar alone is 40. What is the total number of those who can play violin alone or flute alone?**

**a) 45**
**b) 44**
**c) 38**
**d) 30**

# Maxima & Minima

# Maxima & Minima

**9Q: In a group of 300 students, 200 students drink tea and 280 students drink milk. Find the maximum & minimum no. of students who drink :**

**i) Only tea**

**ii) Only milk**

**iii) both milk & tea**

# Maxima & Minima

**10Q:**
**90% people drink whisky,**
**80% people drink vodka and**
**70% people drink deshi. Find**
**minimum and maximum percentage**
**of people who drink all the three variety.**

# CSAT QUESTIONS

# CSAT QUESTIONS

CSAT-2019

11Q: In a group of 15 people; 7 can read French, 8 can read English while 3 of them can read neither of these two languages. The number of people who can read exactly one language is

(a) 10

(b) 9

(c) 5

(d) 4

# CSAT QUESTIONS

CSAT-2019

12Q: In a conference, out of a total 100 participants, 70 are Indians. If 60 of the total participants are vegetarian, then which of the following statements is/are correct?

1. At least 30 Indian participants are vegetarian.
2. At least 10 Indian participants are non vegetarian.

Select the correct answer using the codes given below:

(a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

# CSAT QUESTIONS

CSAT-2015

13Q: In a group of persons travelling in a bus, 6 persons can speak Tamil, 15 can speak Hindi and 6 can speak Gujarati. In that group none can speak any other language. If 2 persons in the group can speak two languages only and one person can speak all the three languages, then how many persons are there in the group?

(a) 21
(b) 22
(c) 23
(d) 24

# CSAT QUESTIONS

CSAT-2013

14Q: For a job there are 120 applicants of which 70 are males and 80 of them have driving licence. Find the ratio of maximum and minimum number of males who are having driving licence.

a) 2:1
b) 3:2
c) 7:3
d) 7:5

# CSAT QUESTIONS

UPSC Question

15Q: In an examination, there are three subjects A, B, and C. A student has to pass in each subject. 20% students failed in A, 22% students failed in B and 16% failed in C. The total number of students passing the whole examination lies between:-

a) 42% and 84%
b) 42% and 78%
c) 58% and 78%
d) 58% and 84%