



Mahendra's



SSC CGL/CPO/CHSL

REASONING

CALENDAR

PART-1

LCS



LIVE

07:30 PM



→
→
→

CALENDAR BASIC QUESTION AND CONCEPT

— — — — —

Q1.WHICH ONE WAS THE FIRST CALENDAR ?

पहला कैलेंडर कौन सा था?

1. ROMAN CALENDAR
2. JULIAN CALENDAR
3. GREGORIYAN CALENDAR
4. NONE OF THESE

Roman →
=

CALENDER SEQUENCE

← (10)

- ①. ROMAN CALENDAR (10 MONTHS) 304 DAYS ✓
- ②. JULIAN CALENDAR (12 MONTHS) 365 DAYS ✓
- ③. GREGORIYAN CALENDAR (12 MONTHS) 365 DAYS ✓

Q2. WHICH CALENDER DO WE CURRENTLY USE?

वर्तमान में हम किस कैलेंडर का उपयोग करते हैं?

1. ROMAN CALENDAR
2. JULIAN CALENDAR
3. GREGORIYAN CALENDAR
4. LALARAMSWARUP CALENDAR

Gregorian

ROMAN CALENDAR MONTHS NAME

- 1 • MARSH 31 → march
- 2 • QUNNINS 30 → April
- 3 • MAYA 31 → may
- ← 4 • JUNO 30
June
- ← 5 • JULIUAS SEASOR 31
July
- ← 6 • AUGUSTUS 30
August
- 7 • SEPTEM 30 → 7
- 8 • OCTEM 31 → 8
- 9 • NOVEM 30 → 9
- 10 • DECEM 31 → 10



JULIAN CALENDAR MONTHS NAME



✓ JANURIUS 31

JANUS

✓ FEBURA 28



- MARSH 31
- QUNNINS 30
- MAYA 31
- JUNO 30
- JULIUAS SEASOR 31
- AUGUSTUS 31
- SEPTEM 30
- OCTEM 31
- NOVEM 30
- DECEM 31

LCS

GREGORIAN CALENDAR MONTHS NAME

- January – 31 days
- February – 28 days in a common year and 29 days in leap years
- March – 31 days
- April – 30 days
- May – 31 days
- June – 30 days
- July – 31 days
- August – 31 days
- September – 30 days
- October – 31 days
- November – 30 days
- December – 31 days

→
Use
=

(Same year)

31 - 31
=

Q3. WHAT DAY WAS ON 01.01.01?

01.01.01 को कौन सा दिन था?

1. MONDAY ✓

2. TUESDAY

3. WEDNESDAY

4. SUNDAY

01.01.01 → Monday

* 00.00.00 → Sunday

* * * *

Q4. HOW MANY DAYS ARE THERE ? **दिन कितने होते हैं?**

- 1. 365
- 2. 366
- 3. 366 OR 365
- 4. NONE OF THESE

Suh

(Repeat)



- ① Mon
- ② Tue
- ③ wed
- ④ Thu
- ⑤ fri
- ⑥ Sat
- ⑦ Suh

Q5. WHICH TWO MONTH ARE OF 31 -31 COSECUTIVE DAYS IN THE SAME YEAR? एक ही वर्ष में कौन से दो महीने 31-31 लगातार दिनों के होते हैं?

1. JANUARY - DECEMBER
2. DECEMBER - JANUARY
3. AUGUST - JULY \propto
4. JULY - AUGUST

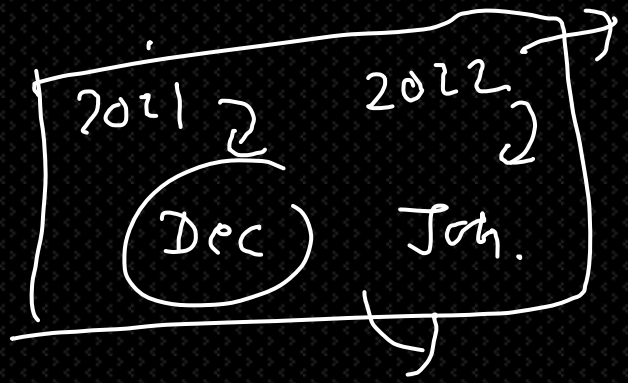
① ②
July - Aug

Q6. WHICH TWO MONTH ARE OF 31 -31 COSECUTIVE DAYS IN THE DIFFRENT YEAR? **अलग-अलग वर्ष में कौन से दो महीने 31-31 लगातार दिनों के होते हैं?**

1. JANUARY - DECEMBER
2. DECEMBER - JANUARY ✓
3. AUGUST - JULY
4. JULY - AUGUST

Dec = Jan

(different years)



Data base change System

CONCEPT OF ODD DAY

(विषम दिवस की अवधारणा)

$$\begin{array}{r} \textcircled{7} \quad \times \quad \textcircled{0} \\ \text{(Remainder)} \end{array}$$

- Week days are repeated after 7 days in the same sequence so extra days in a set of days after eliminating bunches of seven days are known as Odd Days or Extra Days.
- सप्ताह के दिन एकसमान क्रम में 7 दिन बाद दोहराए जाते हैं अतः दिनों के एक समूह में 7 दिनों के गुच्छे को हटाकर प्राप्त दिन, विषम या अतिरिक्त दिन के नाम से जाते हैं।

• 7) Total Days (~~Quotient~~)

• Remainder \times Odd Days

odd day

(25 days) →

$$\begin{array}{r} 7 \overline{) 25} \quad (\times) \\ \underline{- 21} \\ 4 \end{array}$$

3 → odd day

5 Feb 2022 (Sat)
after 7 days
Sat →

from today
आज २१
आज
today
count
count

~~5~~ ~~6~~ ~~7~~ ~~8~~ ~~9~~ ~~10~~ ~~11~~ 12
Sat Sat

Q7. IF TODAY IS THE DATE 05-02-2022 (SATURDAY) THEN AFTER 211 DAYS WHICH DAY WILL COME ? अगर आज दिनांक 05-02-2022 (शनिवार) है तो 211 दिनों के बाद कौन सा दिन आएगा?

- 1. TUESDAY
- 2. MONDAY
- 3. FRIDAY
- 4. SUNDAY ✓

Sun

05-02-2022

Sat
} +1
Sun

$$\begin{array}{r} 7 \overline{) 211} \quad (30) \\ - 21 \\ \hline \quad \times \times 1 \end{array}$$

$\frac{0}{1} \rightarrow$

odd day

Q8. IF TODAY IS THE DATE 05-02-2022 (SATURDAY) THEN BEFORE 131 DAYS WHICH DAY WILL COME ? यदि आज दिनांक 05-02-2022 (शनिवार) है तो 131 दिनों से पहले कौन सा दिन आएगा?

1. TUESDAY
2. MONDAY ✓
3. FRIDAY
4. THURSDAY

05-02-2022

Sat

-5

+2

Mon

Monday
Tues
Wed.
Thurs
Fri

~~131~~
61
5

Monday

2

$(-5 + 7)$

Trick

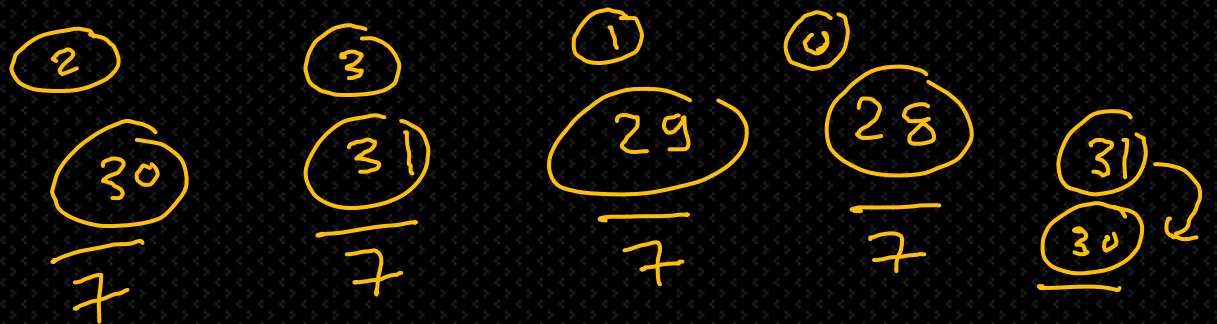
-3

+7

4

TYPE OF MONTH

महीने का प्रकार \Rightarrow



$(12) + (7) = \cancel{19}$

(31)

	ODD DAYS IN MONTH	HOW MANY MONTH	ONLY NO OF DAYS
31 DAYS MONTH	3	7	7
30 DAYS MONTH	2	11) + 4	4
29 DAYS MONTH	1	(11), or (12)	1 or 0
28 DAYS MONTH	0	12	1 or 0

$(31) - (30) = (1)$

$(1) \text{ odd}$ \downarrow $(2 \frac{1}{2})$ $(1) \text{ odd}$
 $(52) + (52)$

$(104) + (26) + 3 \text{ odd day}$

$(2) \text{ days} - (130) \text{ week}$

(Sunday) $(2 + \frac{1}{2}) \rightarrow$ Simple Year.
 Monday $\rightarrow (7:30)$

365.

$\frac{364}{2} = (182)$

$7 \overline{) 184} \text{ (26)}$
 $\underline{- 14}$
 44
 $\underline{- 42}$
 (2)

Q9. FIND THE COMBINED ODD DAY OF FIRST HALF OF SIMPLE YEAR ? साधारण
 वर्ष की पहली छमाही का संयुक्त विषम दिन ज्ञात कीजिए?

1. 2 ODD DAY
2. 5 ODD DAY
3. 6 ODD DAY ✓
4. 0 ODD DAY

6 month

Jan	Feb	March	April	May	June
31	28	31	30	31	30
3	0	3	2	3	2

6 ✓

Q10. FIND THE COMBINED ODD DAY OF SECOND HALF OF SIMPLE YEAR ?

साधारण वर्ष की दूसरी छमाही का संयुक्त विषम दिन ज्ञात कीजिए?

- ① 2 ODD DAY
- 2. 5 ODD DAY
- 3. 6 ODD DAY
- 4. 0 ODD DAY

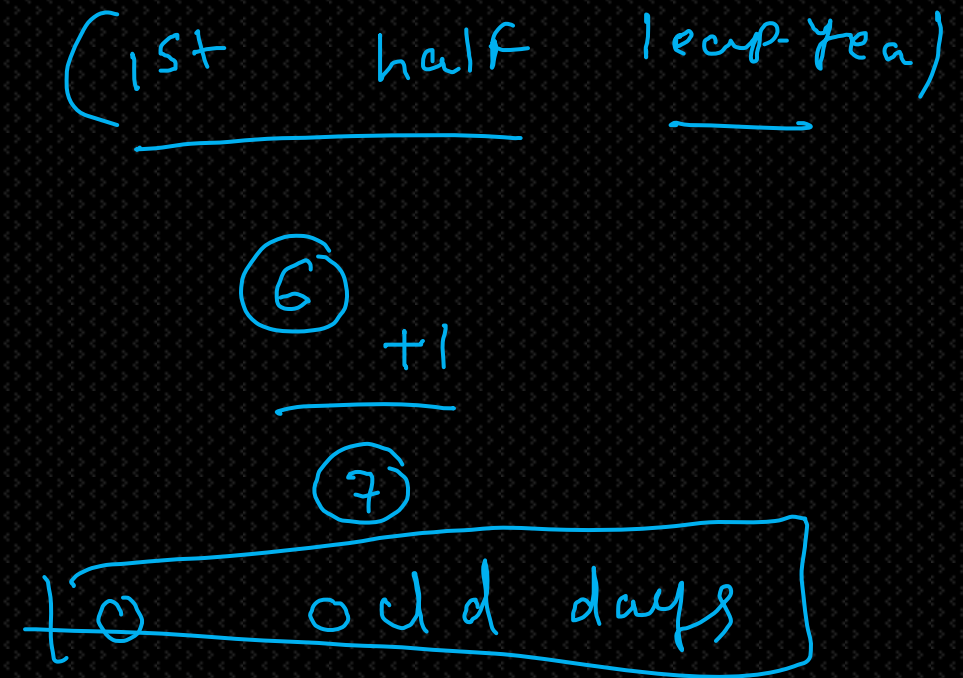
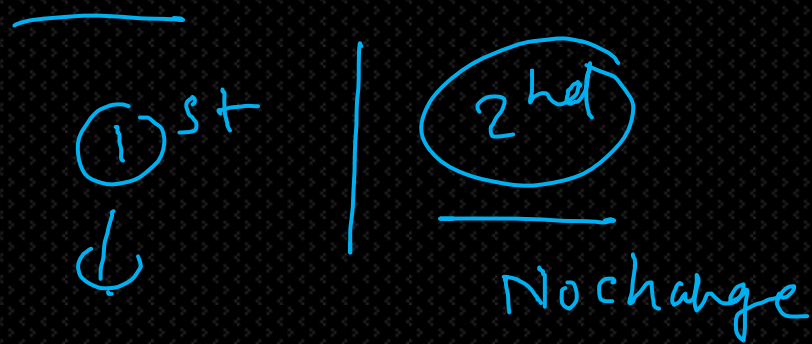
1st
Jan feb march April may June

2nd
July Aug Sept Oct Nov Dec
↓ ↓ ↓ ↓ ↓ ↓
~~31~~ ~~31~~ 30 31 30 31
~~3~~ 3 2 3 2 3
└──┘
0

⑨
↳
②

Q11. FIND THE COMBINED ODD DAY OF FIRST HALF OF LEAP YEAR ? **लीप वर्ष की दूसरी छमाही का संयुक्त विषम दिन ज्ञात कीजिए?**

- 1. 2 ODD DAY
- 2. 5 ODD DAY
- 3. 6 ODD DAY
- 4. 0 ODD DAY



365

$$\begin{array}{r} 7 \overline{) 365} \quad (52 \\ \underline{35} \\ 15 \\ \underline{14} \\ 1 \end{array}$$

TYPE OF YEARS

वर्ष के प्रकार

366

SIMPLE YEAR (Consists 365 days)

Because February contains 28 days
2001, 2002, 2003 etc.

All simple years.

ODD DAYS - 1 ✓

- **LEAP YEAR** (Consists 366 days)
- Because February contains 29 days
- e.g. 2000, 2004, 2008 etc.
- Divisible by से विभाज्य हो 4 / 400
- **ODD DAYS** - 2 ✓

Q12. HOW MANY WEEKS EXISTS IN ONE YEAR? एक वर्ष में कितने सप्ताह होते

अं.

~~1. 51~~

~~2. 53~~

~~3. 54~~

4. NONE OF THESE

2 1/2 half year

6 week

$$\begin{array}{r} 7 \) \ 365 \\ \underline{- 35} \\ \times 15 \\ \underline{- 14} \\ \textcircled{1} \rightarrow \end{array} \quad \textcircled{52} \rightarrow \underline{\text{week}}$$