① Calendar concepts ✓

② Clock concepts ✓

③ Calendar & clock practice

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Sahi Prep Hai Toh Life Set Hai

CALENDAR

Q1

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Agenda of the session

Types of Year

Find the day

Birthday (common sense)

Century

2000 ✓
400
↓
Leap

1900 X
400
Non leap

2100 X
400
Non Leap

1800 X
400

1600 ✓
400

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Julian (10 M) (M - Dec)

↑

1582

↓

Gregor (12 M)

(J - D)

J & F

Calendar ✓

Leap Year

Those year s whose last two digits are fully divisible by 4
Eg.2016,1988

366 day
29 feb

2016 / 4 ✓ (4)

1988 / 4 ✓

Non Leap year

Those years whose last two digits are not divisible by 4.
e.g. 2015,1989

365 day
28 feb

2015 / 4 ✗

1989 / 4 ✗

Q What can be the maximum gap between two leap yr.? (8)

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1yr = 365 day 5hr 48 min 46 sec

6hr

extra.

1yr = 11 min 14 sec.

2yr = 365 day (6+6)

3yr = 365 day (6+6+6)

4yr = 365 day (6+6+6+6) hr

24hr = 1 day

→ 366 day

400yr = 4800 min 5600 sec.

3day -4320 m

80m

3200 yr = 1 day

1day = 24hr

1day = 24x60 m = 1440 min.

x3

3day = 4320 min

Clock correction

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Odd days → The No of days more than a complete week.

Non leap $7\overline{)365}\,(52$ week
364
$\overline{1}$ = odd days.

leapyr → $7\overline{)366}\,(52$ week
364
$\overline{2}$ odd

8 day = 1

(1 week) 1 day

15 day = 1 day

2 week 1 day

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✓But if we talk about Century year, we need to divide by 400,If the century year is fully
divisible by 400,then it is called the leap century year and if not then it is called normal
century year.
For example:-2000/400=5(Fully divisible
So 2000 is a leap Century Year.
And 1900/400=Not divisible completely, So 1900 is normal century year.

✓Leap year has 366 days.

✓Normal year has 365 days

✓Extra day is leap year is 29 Feb.

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7)365(52 weeks
364
1 = odd

If 1 Jan 2017 = Tues
31 Dec 2017 = Tues } +0

7)364(52 weeks
364
0

+1
1 Jan 2018 = Wed ✓
+1
1 Jan 2019 = Thurs
+1
1 Jan 2020 = Fri → 29 Feb 2020
+2
1 Jan 2021 = Sun

7)366(52 weeks
364
2

Note:-

In Normal year, 1st and Last day is always same.

But In leap year, 1st and last day are not same. There is increase of one day from 1st day and last day.

Like If 1 Jan 2016 = Wed
31 Dec 2016 = Thurs } +1

1 Jan 2017 } 364
31 Dec 2017
1 Jan 2018

365/7 = 1 odd

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13 Dec 2005 = Sat

13 Dec 2019 = Sat

6yr

L.Y N.Y

1x2 5x1

2 + 5 = 7/7 = 0

Type 1

Ques1.If 13 Dec 2005 is Saturday. Then in coming which next year 13 Dec is Saturday again?

13 Dec 2005=Saturday
13 Dec 2006=Sunday
13 Dec 2007=Monday
13 Dec 2008=Wednesday
13 Dec 2009=Thursday
13 Dec 2010=Friday
13 Dec 2011=Saturday

1
1
2
1
1
1.

→ 29 Feb 2008

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AJSN

Months	Odd days
January 31	3
February 28/29	0/1 (Orinary/ leap)
March 31	3
April 30	2
May 31	3
June 30	2
July 31	3
August 31	3
September 30	2
October 31	3
November 30	2
December 31	3

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13 Dec 2005 = Sat
+6
13 Dec 2011 = Sat.

2014 = ? +11 = 2025

Calendar Repeation

Year	Jan & Feb	March & Dec
1 year after leap year	6	6
2 year after leap year	6	11
3 Year after leap year.	11	5
Leap year	5	6

6
11
11
28 | 40

Ques. If Nayak celebrated his birthday on 15 Feb 2015 and it was Tuesday then in coming which next year he will celebrate his birthday on Tuesday.

15 June 2014 = Sun
+11
15 June 2025 = Sun

15 Feb 2014 = Tues
+6
15 Feb 2020 = Tues.

15 Feb 2015 = Tues
+11
15 Feb 2026 = Tues.

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Q. How many times will 29th February come in 400yr?

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Type II

J F M A M J J A S O N D Normal year
1 4 4 0 2 5 0 3 6 1 4 6 Leap year

Q. Which Day fall On 15 Aug 1947?

15
03
47
11
00
7)76(
70
6=Fri

Day
Sun=1
Mon=2
Tues=3
Wed=4
Thurs=5
Fri=6
Sat=0

Remainder From century
100-4
200-2
300-0
000-6

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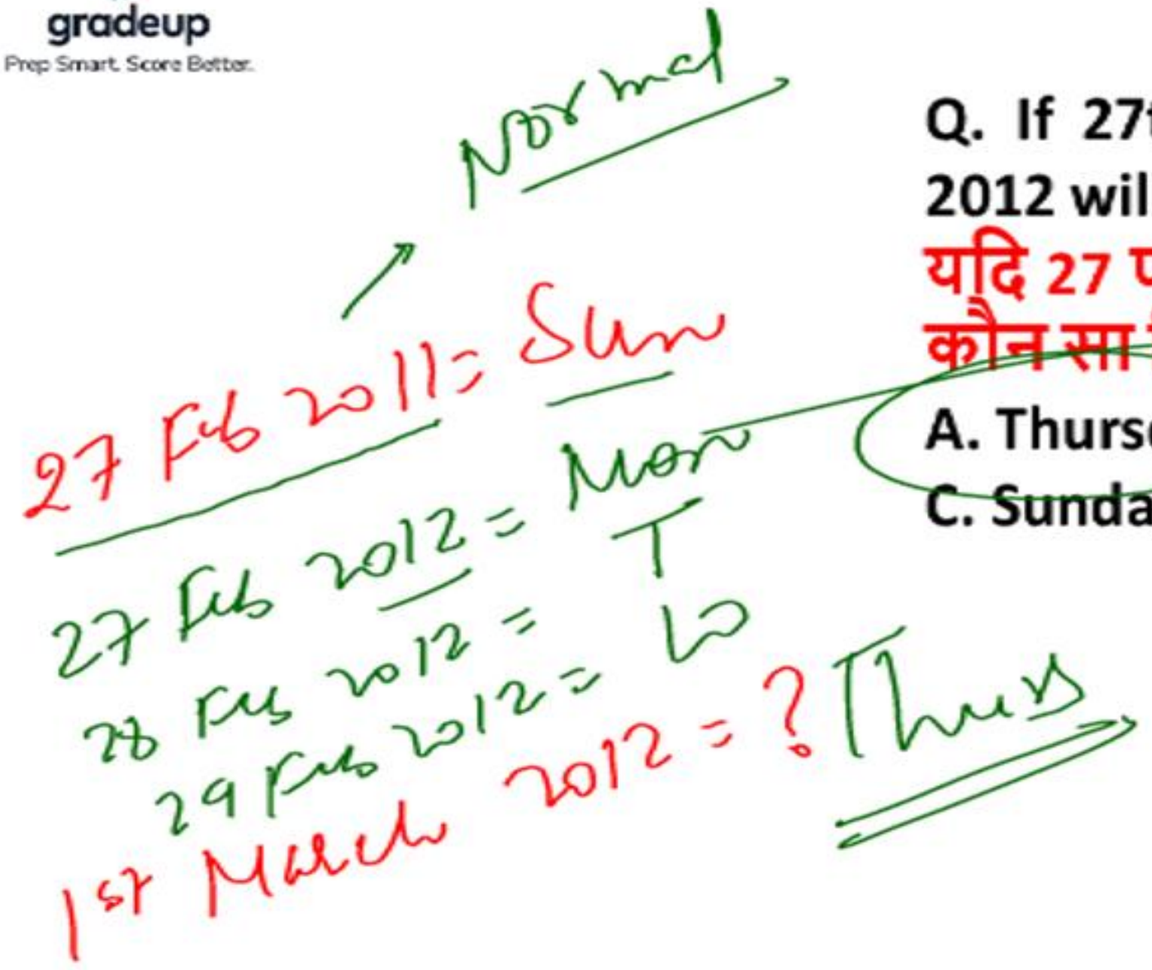
Q. If 27th February 2011 was Sunday, then 1st March 2012 will be what day of the week?

यदि 27 फरवरी 2011 रविवार था, तो 1 मार्च 2012 सप्ताह का कौन सा दिन होगा?

A. Thursday
B. Friday
C. Sunday
D. Monday



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Normal

Q. If it was a Sunday on 1 January 2017, what was the day of the week on 31 December 2017?

यदि 1 जनवरी 2017 को रविवार था, तो 31 दिसंबर 2017 को सप्ताह का दिन क्या था?

A. Tuesday
B. Monday
C. Sunday
D. Friday

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Q. If it was Monday on 1 January 2018, which day of the week was on 31 December 2018?

यदि 1 जनवरी 2018 को सोमवार था, तो सप्ताह का कौन सा दिन 31 दिसंबर 2018 को था?

A. Monday
B. Friday
C. Sunday
D. Tuesday

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Q. What will be the day of the week on 15 August 2021?

A. Sunday
B. Wednesday
C. Saturday
D. Monday

15 अगस्त 2021 को सप्ताह का दिन क्या होगा?

A. रविवार
B. बुधवार
C. शनिवार
D. सोमवार

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Q. What was the day of the week on 15 August 2013?
A. Thursday
B. Monday
C. Wednesday
D. Tuesday

15 अगस्त 2013 को सप्ताह का दिन क्या था?
A. गुरुवार
B . सोमवार
C. बुधवार
D. मंगलवार

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Q. If it was a Saturday on 10 November 2018, what was the day of the week on 15 August 2017?

A. Monday
B. Tuesday
C. Sunday
D. Friday

यदि 10 नवंबर 2018 को शनिवार था, तो 15 अगस्त 2017 को सप्ताह का दिन क्या था?

A. सोमवार
B. मंगलवार
C. रविवार
D. शुक्रवार

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27 Dec 2009 → 1st March 2010

31-27 = 4

Dec + J + Fe + M
4 + 3 + 0 + 1

7) 8 (1 Week
7
1

Q. If 27th December 2009 was a Thursday, then what day of the week was it on 1st March 2010?

A. Thursday
B. Friday
C. Sunday
D. Monday

} odd day
+1
Fri

यदि 27 दिसंबर 2009 गुरुवार था, तो 1 मार्च 2010 को सप्ताह का कौन सा दिन था?

A. गुरुवार
B. शुक्रवार
C. रविवार
D. सोमवार

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Q. On what dates of March 2005 did Friday fall?

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Q. If it was a Friday on 1 January 2016, what was the day of the week on 31 December 2016?

A. Saturday

B. Friday

C. Monday

D. Sunday

यदि 1 जनवरी 2016 को शुक्रवार था, तो 31 दिसंबर 2016 को सप्ताह का दिन क्या था?

A. शनिवार

B. शुक्रवार

C. सोमवार

D. रविवार

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Q. If 1st January 2013 was Wednesday, then what day of the week was it on 2nd January 2014?

A. Wednesday

B. Thursday

C. Tuesday

D. Friday

यदि 1 जनवरी 2013 बुधवार था, तो 2 जनवरी 2014 को सप्ताह का कौन सा दिन था?

A. बुधवार

B. गुरुवार

C. मंगलवार

D. शुक्रवार

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Q. Direction: If 1st January 2013 was Tuesday, then what day of the week will be 31st December 2013?

A. Wednesday
B. Thursday
C. Tuesday
D. Monday

यदि 1 जनवरी 2013 मंगलवार था, तो सप्ताह का कौन सा दिन 31 दिसंबर 2013 होगा?

A. बुधवार
B. गुरुवार
C. मंगलवार
D. सोमवार

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BIS

Q. If 18th October 2011 was a Sunday, then what day of the week was it on 19th September 2012?

यदि 18 अक्टूबर 2011 रविवार था, तो 19 सितंबर 2012 को सप्ताह का कौन सा दिन था?

A. Thursday
B. Friday
C. Sunday
D. Monday

18 Oct 2011 = Sunday

19 Sep 2012 = ? Mon

18 Oct 2012 = Tues

Leap

30-19

Sep + Oct

11 + 18 = 29 / 7 = 1

4 + 4 / 8 / 7 = 1

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Q. Mohini went to movies nine days ago. She goes to the movies only on Thursday. What day of the week is today?
मोहिनी नौ दिन पहले फिल्मों में गयी थी। वह गुरुवार को ही फिल्मों में जाती हैं। आज सप्ताह का कौन सा दिन है?

A. Saturday
B. Thursday
C. Sunday
D. Tuesday

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Q. If the day before yesterday was Thursday, when will Sunday be?

A. Today

B. Two days after today

C. Tomorrow

D. Day after Tomorrow

यदि कल से पहले दिन गुरुवार था, तो रविवार कब होगा?

A. आज

B. आज के दो दिन बाद

C. कल

D. कल के बाद