REASONING CPO/GD (SSC 02 MARCH 2019)

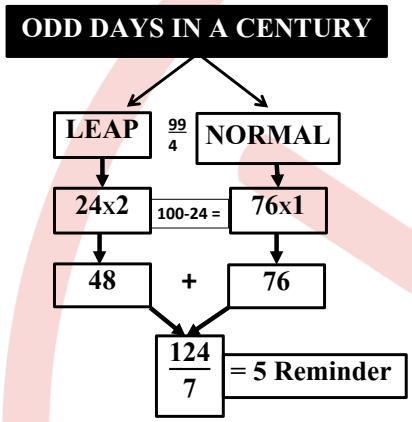
MEMORABLE POINTS

- **1700, 1800, 2100, 2200 etc. are not leap years as they are not divisible by 400 (even if they are divisible by 4).**
- **1988, 2008, 2012, 2016 etc. all are leap years as they divided by 4.**
- **2000, 2400, 1600 etc. all are leap century years as they divided by 400 (100 and 4 too).**

1. **Which Century has 366 days?**
   (A)1900 **(B)1200**
   (C)2500 **(D)1700**

Ans: B

क्योंकि 100वा वर्ष लीप शताब्दी नही होता है
इसलिये 100 वर्षो में लीप वर्ष ज्ञात करने के लिए 99वर्षो को ही गीना जाता है



- **Number of odd days in 100 years = 5 days**

100x2 = 200 5x2 = 10/7 = 3 Reminder

- **Number of odd days in 200 years = 3 days**

100x3 = 300 5x3 = 15/7 = 1 Reminder

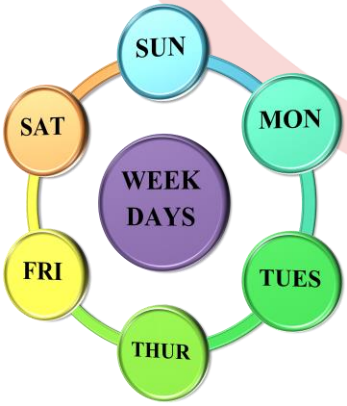
- **Number of odd days in 300 years = 1 days**

100x4 = 400 5x4 = 20 + 1 = 21/7 = 0 Reminder
As 400th year is a leap year

- **Number of odd days in 400 years = 0 days**

And so on ……

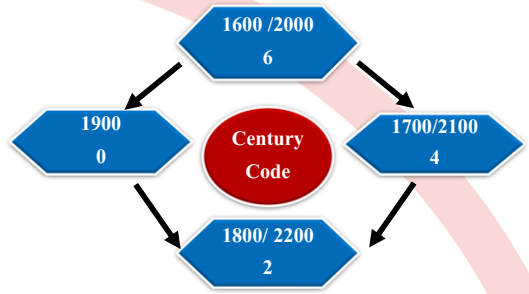
By taking 400 multiples as Base year

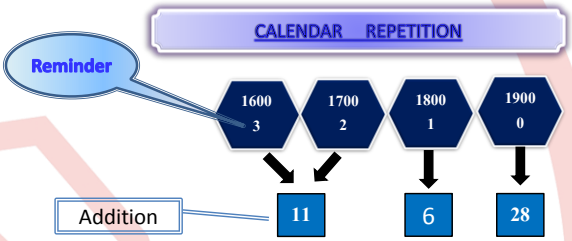


The last day of a century can be :
0= SUNDAY
1 = MONDAY
3 = WEDNESDAY
5 = FRIDAY
The last day of a century cannot be :
2= TUESDAY
4 = THURSDAY
6 = SATURDAY

2. **The last day of a century cannot be :**
   (A) Monday **(B) Wednesday**
   (C) Tuesday **(D) Friday**

Ans: C





3. **The calendar for the year 2001 will be the same for the year:**
   (A) 2004 **(B) 2016**
   (C) 2007 **(D) 2018**

Ans: C

4. **The calendar for the year 2007 will be the same for the year:**
   (A) 2014 **(B) 2016**
   (C) 2017 **(D) 2018**

Ans: D

5. **The calendar for the year 2004 will be the same for the year:**
   (A) 2024 **(B) 2032**
   (C) 2037 **(D) 2038**

Ans: B

6. **The calendar for the year 2016 will be the same for the year:**
   (A) 2044 **(B) 2032**
   (C) 2047 **(D) 2048**

Ans: A

7. **If the day before yesterday was Thursday, when will Sunday be?**
   (A)Tomorrow **(B)Today**
   (C)Day after tomorrow **(D)Two days after today**

Ans: A

8. **01 December 1992 is the first Sunday. Which is the fourth Tuesday of December 1992?**
   (A)26.12.92 **(B)24.12.92**
   (C)23.12.92 **(D)31.12.92**

Ans: C

9. **How many days are there in x weeks x days?**
   (A)7x * x **(B)8x**
   (C)14x **(D)7**

Ans: B

10. **If day after tomorrow is Saturday, what day was three days before yesterday?**
    A. Wednesday **B. Tuesday**
    C. Sunday **D. Thursday**

Ans: C