TIME SEQUENCE

60 sec → 1 min → 60 min → 1 hr ; 24 hr → 1 day

7 days → 1 week , → 4 weeks → 1 month.

1. Kilas remembers that his brother deepak birthday after 20th may but before 28th May while geetha remembers that before 21st May but 12th May. on what date deepaks birth day falls.

a) 20th May   b) 21st May   c) 22nd May   d) cannot

Kilas   > 20th may < 28th May   ㉑ 22, 23

Geetha   > 12th May < 22nd May   13, 14, 15, 16, 17, 18, ㉑

⟹ 21st May.

2. Sangeeta remembers that her father's bth day was after 8 but before 13th of Dec. Her sister Natasa remembers that her fathers was definately after 9th but before on which date of Dec was there fathers b'day.

A) Sangeeta > 8th < 13th Dec   9 10 11 12

   Natasa > 9th < 14th Dec   10 11 12 13

   ⟹ cannot be determined.

3. Varma leaves his house in 20 min to 7°clock in morning reaches Vimala house in 25 min, they finished break fast in another 15 min and leave for their office it takes another 35 min at what to their leave Urmila's house to reach their office.

A)


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     V              U              O
     ⟵─ 25 min ─⟶

   7.00           7.05
   0.20           0.15
   ─────          ─────
   6:40           7:20  AM  while leaving Urmilas house.
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4. Ajay left home for bus stop 15 min earlier than usual. It takes 10 min to reach busstop. He reached the stop at 8:40 Am. What time does he usually leave for busstop.
   a) 8:30   b) 8:45   c) 8:55   d) None.

A)


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     A  ⟵─ 10 min ─⟶  Bus stop
                       8:40 Am
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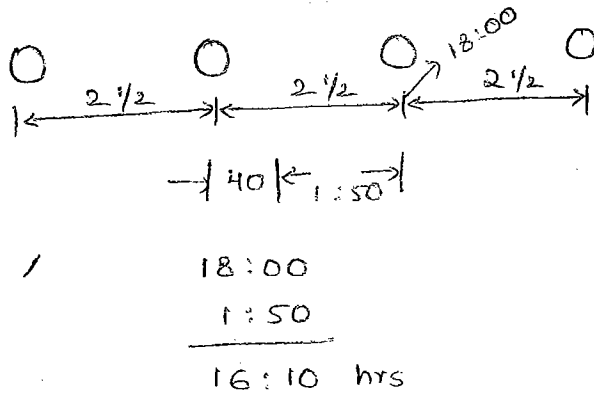
   Today : 8:30
              +
   Earlier : 0:15   ⟹ 8:45 Am.

5. The train for lucknow leaves every 2½ hrs from New Delhi Railway station. An announcement was made the train for lucknow had left 40 min ago. The train will leave at 18 hrs At what time was announcement made.
   a) 15:30   b) 17:10   c) 16:00   d) none

A)

$$\begin{array}{r} 18:00 \\ 1:50 \\ \hline 16:10 \ hrs \end{array}$$

6. The managing director entered the conference room 20 min before 12 hrs he came 10 min before Chairman who was 30 min late. At time the interviews were scheduled.

A)   Managing Director $= 12:00 - 20$ min $\Rightarrow 11:40$

           chairman $= 11:50$ AM $(11:40 + 10$ min$)$

           scheduled Time $= 11:50 - 30$ min $\Rightarrow 11:20$ A.M.

7. An application was received by inward clerk in afternoon of a week day. Next day form warded it to the table of senior clerk. who was on leave that day. The senior clerk next day evening put up the application to the desk officer the desk officer studied it and disposed of matter on same day- i.e., friday which day was application received by the inward clerk.

   a) Mon /   b) Tue   c) wed   d) None.

A) | I·C | | S·C· | | D·O |

      wed   Fri   Fri

              Thu

8. There are 20 people working in an office. The group of 5 persons 8am and 2 PM the 2nd group of 10 persons b/w 10 A.M and 4 P.M the 3rd group of 5 persons b/w 12 Noon and 6 P.M. There are 3 computers in office which all employes frequently used. During which of the following hours the computers are used to likely most.

   a) 10 to 12   b) 12 to 2 P.M   c) 1 P.M to 3 P.M   d) 2 P.M to 4 P.M

(5)

8:00 AM & 2 P.M ⟶ 8 9 10 11 12 1 2

(10)

10 AM & 4 PM ⟶ 10 11 12 1 2 3 4

(5)

12 NOON & 6 PM ⟶ 12, 1, 2, 3, 4, 5, 6

9. A monkey climbs 30 feet at the begining of each hour rests for a while when he slips back 20 feet before he again starts climbing in the begining of next hour. If it begining ascends at 8 A·M at what time will he first toud a flag @ 120 feet from ground.

a) 4 PM   b) 5 PM   c) 6 PM   d) None.

Ans:-

   1 hr = 30 feet ↑ + 20 ft ↓

      = 10 feet

   For last 30 ft it takes 1 hr time

   Total = 9 hrs + 1 hr = 10 hours

              8:00
             10:00
           _____
             18:00
             12:00
           _____
             6:00 PM

10. Mohini went to movie 9 days ago. she goes to movie only on friday. what day of week today.
    a) Thursday   b) Saturday   c) Sunday   d) Tuesday.

A)   1   2   3   4   5   6   7   8   9   10   /
     Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun

   ⟹ 9 days completed $\frac{Fri}{7}$ $(1+2)$ = Sunday.

11. chiru went to school 366 days ago. He goes to the school only on sunday. Then what the day on 2 days before of tomorrow's yesturday.

A) -2 / Before

   +1   Tomorrow

   -1   Yesturday

   _____
   -2

366 - 2 = 364 (52 t0) same day
                       = Sunday

12. second dec was sunday. Then how many sunday's in month.

A)
$$\begin{array}{l} 2 \quad -S \\ \underline{7} \\ 9 \quad -S \\ \underline{7} \\ 16 \quad -S \\ \underline{7} \\ 23 \quad -S \\ \underline{7} \\ 30 \quad -S \end{array} \right\} \; 5 \; sundays$$

Shortcut:-

   Total days = 31

$$\begin{array}{l} 2 \quad -S \\ \underline{29} \quad -4S \\ 7 \end{array} \right] \; - 5 \; sundays$$

13. In 3rd Jan was Monday on what date of the month 5th Monday falls.

A)
$$\begin{array}{l} 3 \quad - M_1 \\ \underline{7} \\ 10 \quad - M_2 \\ \underline{7} \\ 17 \quad - M_3 \\ \underline{7} \\ 24 \quad - M_4 \\ \underline{7} \\ 31 \quad - M_5 \end{array}$$

Shortcut:-

3 - M_1

4 Mondays = 4 × 7 = 28

$$\frac{}{31} \; - M_5$$

Difference between Leap year and ordinary year

Ordinary year	Leap year
1. It is not divisible by '4'.	1. It is divisible by '4' except for centuries. For centuries it would be divisible by 400.
2. Feb = 28 days	2. Feb = 29 days
3. No. of days = 365	3. No. of days = 366
4. No. of odd days = $\frac{365}{7}$ = 52+1 (one)	4. No. of odd days = $\frac{366}{7}$ = 52+2 (Two)
5. First day of year and last day of year is same	5. Jan-1st = n, Dec-31st = n+1 day.

14. 3rd dec, 1990 is sunday, what day is 3rd Jan-1991.

A. upto 3rd January 1990

3rd Dec : 1990 — Sun → 28
3rd Jan : 1991 — ? → 3
‾‾‾‾
31

$\frac{31}{7}$ = 3 odd days

Sunday + 3 = wednesday.

15. In 18th Feb 1997 is Tuesday, 18th Feb 1999 ?

A. 18 Feb 1997 — Tuesday
18 Feb 1999 — Thursday

1997] +1
1998] +1 = 2 days add
1999] +1

16. In 4th Jan 2001 is sunday, 14th Jan 2002 ?

A. 4 Jan 2001 — Sunday
14 Jan 2002 — Thursday

] +1+10 = $\frac{11}{7}$ = 4 odd days.

17. If 8th Jan, 2008 was Monday, on 28th March 2009?

A. 8th Jan 2008 — Monday

8th Jan 2009 — (+2 days)

$$\left.\begin{array}{l} \text{in Jan} - 23^{rd} \text{ day} \\ \text{Feb} - 28 \\ \text{Mar} - 28 \end{array}\right\} \Rightarrow \frac{81}{7} = 4 \text{ odd days}$$

Monday + 4 days = Friday.

18. How much will be there from 26th Jan 1996 to 15th May, 1996 (Both days included).

A.
$$\left.\begin{array}{l} 26 \text{ Jan 1996} : 1 + 5 \\ 15 \text{ May 1996} : \\ \quad \text{Feb} : 29 \\ \quad \text{Mar} : 31 \\ \quad \text{April} : 30 \\ \quad \text{May} : 15 \end{array}\right\} \Rightarrow 111 \text{ days}$$