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## CLOCK CALENDAR

UPSC CSAT PYQs

# 2011-2024

*for*

# PRELIMS 2025



**RAM MOHAN PANDEY**

M.Sc. Mathematics, IIT Roorkee

Educator | Mentor | Founder, **ungist**

- More than 10 years of teaching experience
- Trained more than 15K Aspirants

# CSAT

CLASSROOM  
PROGRAMME

LIVE-ONLINE | OFFLINE | HYBRID

*for*

# PRELIMS 2025

*Registration Open*



9613-19-20-21



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# CSAT 2025

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- Data Interpretation
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- CSAT Practice Book, Third Edition
- 26 Tests (Mocks, Topic-wise & Sectional)



**BATCH STARTS:**



**10<sup>TH</sup> February 2025**

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## Previous Year Questions

## Clock

1. Assume that

1. the hour and minute hands of a clock move without jerking.
2. the clock shows a time between 8 o'clock and 9 o'clock.
3. the two hands of the clock are one above the other.

After how many minutes (nearest integer) with the two hands will be again lying one above the other ?

- (a) 60 (b) 62  
(c) 65 (d) 67 [CSAT 2014]

2. Between 6 pm and 7 pm the minute hand of a clock will be ahead of the hour hand by 3 minutes at

- (a) 6 : 15 pm  
(b) 6 : 18 pm  
(c) 6 : 36 pm  
(d) 6 : 48 pm [CSAT 2015]

3. A watch loses 2 minutes in every 24 hours while another watch gains 2 minutes in every 24 hours. At a particular instant, the two watches showed an identical time. Which of the following statements is correct if 24 hour clock is followed ?

- (a) The two watches show the identical time again on completion of 30 days.  
(b) The two watches show the identical time again on completion of 90 days.  
(c) The two watches show the identical time again on completion of 120 days.  
(d) None of the above statements is correct.

[CSAT 2017]

4. A clock strikes once at 1 o'clock, twice at 2 o'clock and thrice at 3 o'clock, and so on. If it takes 12 seconds to strike at 5 o'clock, what is the time taken by it to strike at 10 o'clock ?

- (a) 20 seconds (b) 24 seconds  
(c) 28 seconds (d) 30 seconds

[CSAT 2017]

5. A wall clock moves 10 minutes fast in every 24 hours. The clock was set right to show the correct time at 8:00 am on Monday. When the clock shows the time 6:00 pm on Wednesday, what is the correct time ?

- (a) 5:36 pm (b) 5:30 pm  
(c) 5:24 pm (d) 5:18 pm

[CSAT 2019]

6. At which one of the following times, do the hour hand and the minute hand of the clock make an angle of  $180^\circ$  with each other ?

- (a) At 7:00 hours.  
(b) Between 7:00 hours and 7:05 hours.  
(c) At 7:05 hours.  
(d) Between 7:05 hours and 7:10 hours.

[CSAT 2021]

7. Consider the following statements :

1. Between 3:16 pm and 3:17 pm, both hour hand and minute hand coincide.
2. Between 4:58 pm and 4:59 pm, Both minute hand and second hand coincide.

Which of the above statements is/are correct?

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

[CSAT 2022]

8. How many times the hour hand and the minutes hand coincide in a clock between 10:00 am and 2:00 pm (same day) ?

- (a) 3 times
- (b) 4 times
- (c) 5 times
- (d) 6 times

[CSAT 2024]

9. What is the angle between the minute hand and hour hand when the clock shows 4:25 hours?

- (a)  $12.5^\circ$
- (b)  $15^\circ$
- (c)  $17.5^\circ$
- (d)  $20^\circ$

[CSAT 2024]

#### ANSWER KEY

1. (c)    3. (d)    4. (b)    5. (a)    6. (d)    7. (c)    8. (a)    9. (c)  
2. (c)



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# CSAT

## COMPREHENSIVE TEST SERIES

ONLINE & OFFLINE

for CSE 2025

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6

**Sectional** Tests

10

**Topic-wise** Tests

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## Calendar

- If the 3<sup>rd</sup> day of a month is Monday, which one of the following will be the fifth day from 21<sup>st</sup> of this month ?  
(a) Monday  
(b) Tuesday  
(c) Wednesday  
(d) Friday **[CSAT 2014]**
- If second and fourth Saturdays and all the Sundays are taken as only holidays for an office, what would be the minimum number of possible working days of any month of any year ?  
(a) 23  
(b) 22  
(c) 21  
(d) 20 **[CSAT 2017]**
- Consider the sequence given below:  
4/12/95, 1/1/96, 29/1/96, 26/2/96, ...  
What is the next term of the series ?  
(a) 24/3/96  
(b) 25/3/96  
(c) 26/3/96  
(d) 27/3/96 **[CSAT 2018]**
- Mr 'X' has three children. The birthday of the first child falls on the 5<sup>th</sup> Monday of April, that of the second one falls on the 5<sup>th</sup> Thursday of November. On which day is the birthday of his third child, which falls on 20<sup>th</sup> December ?  
(a) Monday  
(b) Thursday  
(c) Saturday  
(d) Sunday **[CSAT 2019]**
- Which year has the same calendar as that of 2009 ?  
(a) 2018 (b) 2017  
(c) 2016 (d) 2015 **[CSAT 2019]**
- If in a particular year 12<sup>th</sup> January is a Sunday, then which one of the following is correct ?  
(a) 15<sup>th</sup> July is a Sunday if the year is a leap year.  
(b) 15<sup>th</sup> July is a Sunday if the year is not a leap year.  
(c) 12<sup>th</sup> July is a Sunday if the year is a leap year.  
(d) 12<sup>th</sup> July is not a Sunday if the year is a leap year. **[CSAT 2020]**
- Consider two Statements and a Question:  
1. The last day of the month is a Wednesday.  
2. The third Saturday of the month was the seventeenth day.  
What day is the fourteenth of the given month?  
(a) Statement-1 alone is sufficient to answer the Question.  
(b) Statement-2 alone is sufficient to answer the Question.  
(c) Both Statement-1 and Statement-2 are required to answer the Question.  
(d) Neither Statement-1 alone nor Statement-2 alone is sufficient to answer the Question. **[CSAT 2021]**
- Which day is 10<sup>th</sup> October, 2027 ?  
(a) Sunday  
(b) Monday  
(c) Tuesday  
(d) Saturday **[CSAT 2021]**



9. Joseph visits the club on every 5<sup>th</sup> day, Harsh visits on every 24<sup>th</sup> day, while Sumit visits on every 9<sup>th</sup> day. If all three of them met at the club on a Sunday, then on which day will all three of them meet again ?

(a) Monday (b) Wednesday  
(c) Thursday (d) Sunday

[CSAT 2021]

10. Which date of June 2099 among the following is Sunday ?

(a) 4 (b) 5  
(c) 6 (d) 7

[CSAT 2022]

11. How many seconds in total are there in  $x$  weeks,  $x$  days,  $x$  hours,  $x$  minutes and  $x$  seconds ?

(a)  $11580x$   
(b)  $11581x$   
(c)  $694860x$   
(d)  $694861x$

[CSAT 2022]

12. The calendar for the year 2025 is same for

(a) 2029  
(b) 2030  
(c) 2031  
(d) 2033

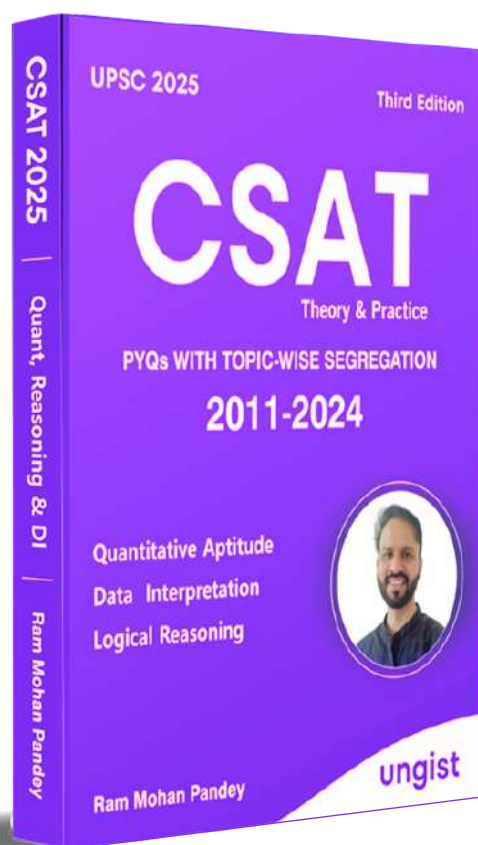
[CSAT 2024]

#### ANSWER KEY

1. (c) 3. (b) 5. (d) 7. (b) 9. (b) 10. (d) 11. (d) 12. (c)  
2. (b) 4. (b) 6. (c) 8. (a)

You may refer to the ungist **CSAT Practice Book**  
for detailed solutions of PYQs

## CSAT Practice Book, Third Edition *for* UPSC Prelims 2025



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