

1. When the minute hand covers a distance of 1h 20 min, then what is the angular distance covered by it?

- (a) 310° (b) 192°
(c) 480° (d) 420°

2. What will be the measurement of the angle made by the hands of a clock when the time is 8:35?

- (a) 32.4° (b) 37.5°
(c) 45° (d) 47.5°

3. At what angle the hands of a clock are inclined at 15 min past 5?

- (a) $72 \frac{1}{2}^\circ$ (b) $67 \frac{1}{2}^\circ$
(c) $58 \frac{1}{2}^\circ$ (d) 64°

4. A clock is set right at 8 am. The clock gains 10 min in 24 h. What will be the right time when the clock indicates 1 pm on the following day?

- (a) 11:40 pm (b) 12:48 pm
(c) 12 pm (d) 10 pm

5. At what time between 7 and 8 O'clock will the hands of a clock be in the straight line but not together?

- (a) $5 \frac{5}{11}$ min past 7 (b) 5 min past 7
(c) 15 min past 7 (d) $7 \frac{3}{11}$ min past 7

6. If the day after tomorrow is a Sunday, what was it day before yesterday?

- (a) Wednesday (b) Thursday
(c) Friday (d) Saturday

7. If 27th March, 2011 was Sunday, what was the day on 27th June, 2012? [CLAT 2017]

- (a) Monday (b) Wednesday
(c) Sunday (d) Saturday

8. I have a calendar of year 1997. When can I use it again?

- (a) 2001 (b) 2003
(c) 2005 (d) 2007

9. What was the day of the week on 20th July, 2009 [SSC (Steno) 2020]

- (a) Tuesday (b) Monday
(c) Saturday (d) Sunday

Moderate level

1. How many times in a day are the hands of a clock pointing opposite to each other?

[UPPSC (RO) 2014]

- (a) 20 (b) 4
(c) 24 (d) 22

2. How many times from 4 pm to 10 pm, the hands of a clock are at right angle?

[CLAT 2017]

- (a) 11 (b) 6
(c) 90 (d) 10

3. Find the angle traced by hour hand of a correct clock between 8 O'clock and 2 O'clock.

- (a) 180° (b) 150°
(c) 210° (d) 200°

4. What will be the angle between hour hand and minute hand, if clock shows 8:30 pm?

[SSC (CPO) 2011]

- (a) 90° (b) 75°
(c) 60° (d) 85°

5. At half past 5 in the evening, the smaller angle between the hour and minute hands of a clock is

[IB (ACIO) 2017]

- (a) 10° (b) 12°
(c) 15° (d) 18°

6. The angle between the hour hand and the minute hand of a clock when time is 3:25 will be

[WBPS 2018]

- (a) $47 \frac{1}{2}^\circ$ (b) $42 \frac{1}{2}^\circ$
(c) 60° (d) 45°

7. A clock was set correct at 12 O'clock. It loses 10 min/h. What will be the angle between the hour and minute hands of the clock after one hour?

[CLAT 2017]

- (a) 90° (b) 85°
(c) 75° (d) 105°

8. At what time, (in minutes) between 30' clock and 4 O'clock, both the needles will coincide with each other?

- (a) $5\frac{1}{11}$ (b) $12\frac{4}{11}$
(c) $13\frac{4}{11}$ (d) $16\frac{4}{11}$

9. At what time between 5 and 6, are the hands of a clock coincides?

- (a) 22 min past 5 (b) 30 min past 5
(c) $22\frac{8}{11}$ min past 5 (d) $27\frac{3}{11}$ min past 5

10. At what time between 4 and 5 O'clock, will the hands of a watch point in opposite directions?

- (a) 45 min past 4 (b) 40 min past 4
(c) $50\frac{4}{11}$ min past 4 (d) $54\frac{4}{11}$ min past 4

11. At what time between 5:30 and 6 O'clock, will the hands of a clock be at right angle?

- (a) $43\frac{3}{11}$ min past 5 (b) $43\frac{7}{11}$ min past 5
(c) 40 min past 5 (d) 45 min past 5

12. Two clocks are set correctly at 9 am on Monday. Both the clocks gain 3 min and 5 min, respectively in an hour. What time will the second clock register, if the first clock which gains 3 min in an hour shows the time as 27 min past 6 pm on the same day?

- (a) 6:27 pm (b) 6:45 pm
(c) 6:25 pm (d) 6:50 pm
(e) None of the above

13. A clock is set right at 5 am. The clock loss 16 min in 24 h. What will be the right time when the clock indicates 10 pm on the 4th day?

- (a) 11:15 pm (b) 11:00 pm
(c) 12:00 pm (d) 12:30 pm

14. The minute hand of a clock overtakes the hour hand at intervals of 63 min of the correct time. How much does a clock gain or loose in a day?

- (a) $54\frac{8}{77}$ min (gain) (b) $56\frac{8}{77}$ min (gain)
(c) $53\frac{8}{77}$ min (gain) (d) $53\frac{8}{77}$ min (gain)

15. The day before the day before yesterday is three days after Saturday. What day is it today?

[IB (ACIO) 2013, BSSC (CGL) 2015]

- (a) Tuesday (b) Wednesday
(c) Thursday (d) Friday

16. If 21st February, 2005 was a Sunday, then what would be the day of the week on 21st February, 2007?

[RRB (NTPC) 2022]

- (a) Wednesday (b) Monday
(c) Thursday (d) Tuesday

17. If 21st June, 2007 was a Thursday, then what was the day of the week on 21st June, 2011?

[SSC (10+2) 2022]

- (a) Wednesday (b) Monday
(c) Sunday (d) Tuesday

18. Today is Monday. After 61 days, it will be

- (a) Wednesday (b) Saturday
(c) Tuesday (d) Thursday

19. If it is Saturday on 1st January, 2000, then 1st January, 2001 would have been

[CGPSC 2014]

- (a) Monday (b) Tuesday
(c) Friday (d) Saturday
(e) None of these

20. If 1st January, 2017 was a Thursday, then what day of the week was it on 31st March of that year?

[RRB (NTPC) 2022]

- (a) Friday (b) Tuesday
(c) Thursday (d) Wednesday

21. In a month of 31 days, third Thursday falls on 16th. What will be the last day of the month?

[SSC (CGL) 2013]

- (a) 5th Friday (b) 4th Saturday
(c) 5th Wednesday (d) 5th Thursday

22. If Republic day was celebrated in 1996 on Friday, on which day in 2000 independence was celebrated?

[SSC (CGL) 2012]

- (a) Tuesday (b) Monday
(c) Sunday (d) Saturday

23. If 18th February, 1997 falls on Tuesday, then what will be the day on 18th February, 1999?

- (a) Monday (b) Tuesday
(c) Thursday (d) Friday

24. If, in year 2000, birthday of Netaji be Wednesday, what was the Independence Day in that year? [WBPS 2018]

- (a) Wednesday (b) Thursday
(c) Friday (d) Saturday

25. Rama remembers that she met her brother on Saturday, which was after the 20th day of a particular month. If the 1st day of that month was Tuesday, then on which date did Rama meet her brother? [RRB (NTPC) 2022]

- (a) 26th (b) 23rd
(c) 25th (d) 24th

26. Shamita's birthday was on 15th March, 2020, which was a Sunday. If her husband's birthday was on 31st May, 2020 on which day would it fall? [RRB (NTPC) 2022]

- (a) Friday (b) Sunday
(c) Wednesday (d) Tuesday

27. It is observed that 1st January, 2023 is a Sunday. In which year again the 1st January will fall on a Sunday? [MPPSC 2018]

- (a) 2029 (b) 2030
(c) 2034 (d) 2037

28. The year next to 1990 will have the same calendar as that of the year 1990.

- (a) 1995 (b) 1997
(c) 1996 (d) 1992

29. I was born on 11th August. Mohan is older than me by 11 days. This year's independence day falls on Monday. The day on which Mohan's birthday will fall this year will be

- (a) Monday (b) Tuesday
(c) Sunday (d) Thursday

30. Mrs. Susheela celebrated her wedding anniversary on Tuesday, 30th September 1997.

When will she celebrate her next wedding anniversary on the same day?

- (a) 30th September 2003
(b) 30th September 2004
(c) 30th September 2002
(d) 30th October 2003

31. If the Republic Day of India in 1980 falls on Saturday, X was born on 3rd March, 1980 and Y is 4 days older to X, then Y's birthday fell on [IB (ACIO) 2013]

- (a) Thursday (b) Friday
(c) Wednesday (d) None of these

32. Nasir's birthday is on Thursday 18th May. On what day of the week will be Rehan's Birthday in the same year if Rehan was born on 19th August? [SSC (CGL) 2017]

- (a) Wednesday (b) Saturday
(c) Friday (d) Thursday

33. The birthday of Y was celebrated six days before X, who was born on 4th October 1999. The Independence Day of that year fell on Sunday. On which day did Y celebrate her birthday, if it was not a leap year? [CLAT 2017]

- (a) Wednesday (b) Tuesday
(c) Monday (d) Sunday

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a) 16 b) 1 c) 2 d) 4

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Simplification

- 1) $784 \div 14 + 598 \div 13 + ? = 99\%$ of 2500
 a) 2475 b) 2373
 c) 2285 d) 2565
 e) None of these

- 2) $221 \div 13 \times \sqrt{576} + 10^2 = ?$
 a) 628 b) 428
 c) 408 d) 508
 e) None of these

- 3) $15^2 + 12^2 = 11^2 + ?$
 a) 258 b) 248
 c) 262 d) 282
 e) None of these

- 4) $6 \times 6 \times 6 \times 6 \times 6 + 6 \times 6 \times 6 \times 6 = 81 \times 3.5 \times ?$
 a) 64 b) 16
 c) 32 d) 16
 e) None of these

- 5) $18 \frac{1}{3}$ of 18 + $19 \frac{1}{4}$ of 28 = 5.5 X ?
 a) 198 b) 68
 c) 158 d) 136
 e) None of these

- 6) $3^{-2} + 22 \frac{2}{9} \%$ of 364 = ?
 a) 243 b) 57
 c) 105 d) 81
 e) None of these

- 7) $\sqrt{1024} \times \left(\frac{1}{2^{-5}}\right) + 8^2 \times 4 = ? \times 2^6$
 a) 12 b) 34
 c) 6 d) 36
 e) None of these

- 8) $3 \frac{2}{3} \times 4 \frac{1}{5} \times \frac{3 \frac{1}{5}}{2 \frac{1}{5}} = ?$
 a) 54.2 b) 68.4
 c) 22.4 d) 44.8
 e) None of these

- 9) $15^2 + 17^2 - ? = 21^2$
 a) - 63 b) - 53
 c) 53 d) 73
 e) None of these

- 10) $0.5 \times 8.4 + 3.5 \times 12.2 + 0.25 \times 10^2 = ?$
 a) 128.1 b) 71.9
 c) 52.7 d) 107.9
 e) None of these

- 11) $\frac{4 \frac{2}{7} - \frac{1}{2}}{3 \frac{1}{2} + 1 \frac{1}{7}} \div \frac{1}{2 + \frac{1}{5 - \frac{1}{5}}}$ is equal to :
 a) $\frac{1}{2}$
 b) $\frac{1}{3}$
 c) 2
 d) $\frac{1}{5}$

- 12) $\sqrt{\frac{4 \frac{1}{7} - 2 \frac{1}{4}}{3 \frac{1}{2} + 1 \frac{1}{7}}} \div \frac{1}{2 + \frac{1}{2 + \frac{1}{5 - \frac{1}{5}}}}$ is equal to:
 a) 1
 b) 4
 c) 3
 d) 2