CLOCKS BASED VERBAL REASONING PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Q1. The calendar for the year 2007 will be the same for the year.

a) 2016

b) 2017

c) 2018

d) 2014

e) None of these

Q2. Which of the following is not a leap year?

a) 800

b) 1200

c) 2000

d) 700

e) None of these

Q3. March 1, 2008 was Saturday. Which day was it on March 1, 2002?

a) Friday

b) Saturday

c) Sunday

d) Thursday

e) None of these

Q4. The last day of a century cannot be

a) Wednesday

b) Tuesday

c) Friday

d) Monday

e) None of these

Q5. An application was received by inward clerk in the afternoon of a week day. Next day he forwarded it to the table of the senior clerk, Who was on leave that day. The senior clerk put up the application to the desk officer next day in the evening. The desk officer studied the application and disposed off the matter on the same day i.e., Friday. Which day was the application received by the inward clerk ?

a) Wednesday

b) Tuesday

c) Previous week's Saturday

d) Monday

e) None of these

Q6. The number of times in a day the Hour-hand and the Minute hand of a clock are at right angles, is

a) 48

b) 24

c) 12

d) 44

e) None of these

Q7. On 8th Feb, 2005 it was Tuesday. What was the day of the week on 8th Feb, 2004?

a) Monday

b) Sunday

c) Wednesday

d) Tuesday

e) None of these

Q8. It was Sunday on Jan 1, 2006. What was the day of the week on Jan 1, 2010?

a) Saturday

b) Friday

c) Wednesday

d) Sunday

e) None of these

Q9. In $2\frac{1}{2}$ hours the hour hand of a clock rotates through an angle of

a) 140°

b) 120°

c) 75°

d) 90°

e) None of these

Q10. Ashish leaves his house at 20 minutes to seven in the morning reaches Kunal's house in 25 minutes. They finish their breakfast in another 15 minutes and leave for their office which takes another 35 minutes. At what time do they leave Kunal's house to reach their office?

a) 7.20 a.m.

b) 7.45 a.m.

c) 8.15 a.m.

d) 7.40 a.m.

e) None of these

Q11. Reaching the place of meeting on Tuesday 15 minutes before 8.30 hours, Anuj found himself half an hour earlier than the man who was 40 minutes late. What was the scheduled time of the meeting?

a) 8.05 hrs

b) 8.15 hrs

c) 8.45 hrs

d) 8.00 hrs

e) None of these

Q12. At what time between 4 and 5 o'clock will the hands of a watch point in opposite directions?

a) 40 min. past 4

b) 50 $\frac{4}{11}$ min. past 4

c) 54 $\frac{6}{11}$ min. past 4

d) 45 min. past 4

e) None of these

Q13. How many days are there in x weeks x days?

a) 8 x

b) 14 x

c) 7

d) $7x^2$

e) None of these

Q14. An accurate clock shows the time as 3.00. After hour hand has moved 135°, the time would be

a) 6. 30

b) 8.00

c) 9.30

d) 7.30

e) None of these

Q15. 16 January 1997 was a Thursday. What day of the week was 4 January 2000?

a) Wednesday

b) Thursday

c) Friday

d) Tuesday

e) None of these

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Answers to the above questions :

Q1. Answer: (c)

Count the number of odd days from the year 2007 onwards from the year 2007 onwards to get the sum equal to 0 odd day.

Year	2007	2008	2009	2010	2011	2012	2013	2014	
Odd day	1	2	1	1	1	2	1	1	

Q2. Answer: (d)

The century divisible by 400 is a leap year.

∴ The year 700 is not a leap year.

Q3. Answer: (a)

In a year, number of weeks = 52 extra day = 1

From 2002 to 2008, there are 6 years.

So number of extra days = 6 (1) = 6

While 2004 and 2008 are leap years, having one more extra day apart from the normal extra day.

Thus, number of extra days = 6 + 1 + 1 = 8

Out of these 8 extra days, 7 days form a week and so 1 day remains.

Hence, March 1, 2002 is 1 day less then March 1, 2008 i.e., it is Friday.

Q4. Answer: (b)

100 years contain 5 odd days.

∴ Last day of 1st century is Friday

200 years contain (5 × 2) ≡ 3 odd days.

∴ Last day of 2nd century is Wednesday.

300 years contain (5 × 3) = 15 ≡ 1 odd day.

∴ Last day of 3rd century is Monday.

400 years contain 0 odd day.

∴ Last day of 4th century is Sunday.

This cycle is repeated.

∴ Last day of a century cannot be Tuesday or Thursday or Saturday.

Q5. Answer: (a)

A reverse flow chart will look as follows:

23.

Q6. Answer: (a)

No of right angles in one hour = 2

∴ No of right angles in 24 hours = 24 × 2 = 48

Q7. Answer: (b)

The year 2004 is a leap year. It has 2 odd days.

∴ The day on 8th Feb, 2004 is 2 days before the day on 8th Feb,

2005. Hence, this day is Sunday.

Q8. Answer: (b)

On 31st December, 2005 it was Saturday.

Number of odd days from the year 2006 to the year 2009

= (1 + 1 + 2 + 1) = 5 days

∴ On 31st December 2009, it was Thursday.

Thus, on 1st Jan, 2010 it is Friday.

Q9. Answer: (c)

$2\frac{1}{2}$ hrs 150 min

∴ Angle covered by hour hand in 1 min = $\frac{1^\circ}{2}$

∴ Angle covered by hour hand in 2½ hrs.

= 150 min =150 × $\frac{1^\circ}{2}$ = 75°

Q10. Answer: (a)

Ashish leaves his house at 6:40 AM.

Ashish reaches Kunal's house at 7:05 AM.

They finish Breakfast at 7:05 + 0:15 = 7:20 AM.

That's the time when they leave Kunal's house for thier office.

Q11. Answer: (a)

Anuj reached at = 8 : 15 AM

Time when the other man came = 8:15 + 0:30=8:45 AM (who was 40 minutes late)

∴ scheduled time of meeting = 8:45 – 0: 40 = 8 : 05 AM

Q12. Answer: (c)

At 4 o'clock, the hands of the watch are 20 min. spaces apart.

To be in opposite directions, they must be 30 min. spaces apart.

∴ Minute hand will have to gain 50 min. spaces 55 min. spaces are gained in 60 min.

50 min. spaces are gained in $\left(\frac{60}{55} \times 40\right)$ min. or $54\frac{6}{11}$ min.

∴ Required time = $54\frac{6}{11}$ min. past 4

Q13. Answer: (a)

x weeks x days = (7x + x) days = 8x days

Q14. Answer: (d)

Hour hand covers an angle of 360° in 12 hours.

∴ Time taken to cover an angle of 135°

= $\frac{12}{360} \times 135$ =4.5 h

∴ Required time = 3 + 4.5 = 7.5 = 7:30

Q15. Answer: (d)

16 - 1- 1997—Thursday.

Number of normal year between 1997 and 2000 = 2

We know every year has 1odd day.

Now, number of leap year = 1

Leap year has 2 odd days

∴ odd days = 2 + 2 = 4 ∴ 4 Jan, 2000 was Tuesday.