## **Aptitude Clocks Questions and Answers Pdf**

1. How many times in a day, are the hands of a clock in straight line but opposite in direction?

- (A) 20
- (B) 22
- (C) 24
- (D) 48

Ans: B

The hands of a clock point in opposite directions (in the same straight line) 11 times in every 12 hours (Because between 5 and 7 they point in opposite directions at 6 0'clock only).

So, in a day, the hands point in the opposite directions 22 times.

2. How many times in a day, the hands of a clock are straight?

- (A) 22
- (B) 24
- (C) 44
- (D) 48
- Ans: C

In 12 hours, the hands coincide or are in opposite directions 22 times.

: In 24 hours, the hands coincide or are in opposite direction 44 times a day.

3. How many times do the hands of a clock coincide in a day?

- (A) 20
- (B) 21
- (C) 22
- (D) 24

Ans: C

The hands of a clock coincide 11 times in every 12 hours (since between 11 and 1, they coincide only once i.e., at 12 o'clock).

 $\div$  the hands coincide 22 times in a day.

4. How many times are the hands of a clock at right angle in a day?

(A) 22

(B) 24

- (C) 44
- (D) 48

Ans; C

In 12 hours, they are right angles times.

: In 24 hours, they are at right angles 44 times.

- 5. The reflex angle between the hands of a clock at 10.25 is
  - a. 180°
  - b. 192 (1/2)°
  - c. 195°
  - d. 197 (1/2)°

Ans: D

Angle traced by hour hand in $\frac{125}{12}$ hrs = $\left(\frac{360}{12} \times \frac{125}{12}\right)^{4}$	$= 312 \frac{1}{2}^{\circ}$ .
Angle traced by minute hand in 25 min = $\left(\frac{360}{60} \times 25^{\circ}\right)$	= 150°.
:. Reflex angle = $360^{\circ} - \left(312\frac{1}{2} - 150\right)^{\circ} = 360^{\circ} - 162\frac{1}{2}$	$^{\circ} = 197 \frac{1}{2}^{\circ}$ .