# **AFCAT 1 2025**

CLOCKS

ISSBCrack

### **NAVJYOTI SIR**





#### 10 Feb 2025 Live Classes Schedule

9:00AM -	10 FEBRUARY 2025 DAILY DEFENCE UPDATES	DIVYANSHU SIR
10:00AM -	10 FEBRUARY 2025 DAILY CURRENT AFFAIRS	RUBY MA'AM
	SSB INTERVIEW LIVE CLASSES	
9:30AM	OVERVIEW OF TAT & WAT	ANURADHA MA'AN
	AFCAT 1 2025 LIVE CLASSES	
3:00PM -	STATIC GK - NATIONAL & INTL ORG & HQ	DIVYANSHU SIR
4:30PM -	ENGLISH - FILL IN THE BLANKS - CLASS 2	ANURADHA MA'AN
5:30PM	MATHS - CLOCKS	NAVJYOTI SIR
11:30AM - 1:00PM -	POLITY - CLASS 3 BIOLOGY - CLASS 1	RUBY MA'AM
1:00PM - 4:30PM -	BIOLOGY - CLASS 1 ENGLISH - FILL IN THE BLANKS - CLASS 2	SHIVANGI MA'AN
	CDS 1 2025 LIVE CLASSES	
11:30AM	POLITY - CLASS 3	RUBY MA'AM
1:00PM	BIOLOGY - CLASS 1	SHIVANGI MA'AM
4:30PM	ENGLISH - FILL IN THE BLANKS - CLASS 2	ANURADHA MA'AN
ums		
	80-69185400	ay DOWNLOAD

AFCAT 1 2025 – REVISION – MATHS – LIVE CLASS



## **CLOCKS - MCQs**

#### At what time between 3 and 4 o' clock , the hands of the clock coincide (approx.)?

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#### At what time between 3 and 4 o' clock , the hands of the clock coincide (approx.)?

- A. 3:30
- B. 4:05
- **C. 3:16**
- D. None of the above

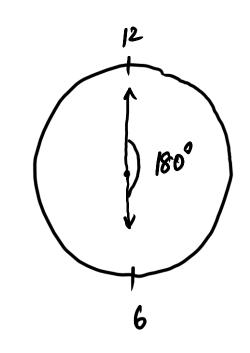
#### At what time between 5 and 6 PM , the hands of the clock will be in opposite side ?

A. 6:15 PM

B. 5:30 PM

C. 5:45 PM

D. 6 PM









#### At what time between 5 and 6 PM , the hands of the clock will be in opposite side ?

- A. 6:15 PM
- B. 5:30 PM
- C. 5:45 PM
- **D. 6 PM**

At what time (approx.) between 7 and 8 o' clock , the hands of the clock will be in opposite side ?

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A. 7:05 
$$0 = 1/m - 60h$$

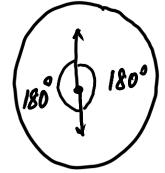
B. 7:30

C. 7:45

D. None of the above

$$\frac{\pm 180^{\circ}}{R} = \frac{11m - 60 h}{R}$$

$$\frac{2}{R}$$



$$m = \frac{1}{11} \times 60 (\cancel{h} \pm 6)$$

$$m = \frac{60}{11} (\cancel{7} - 6)$$

$$= \frac{60}{11} = 5.4 \sim 5 \quad \text{minutus}$$

$$\cancel{7} \cdot 0^{\prime} \, \text{clock} + 5 \, \text{minutus} \longrightarrow \quad \cancel{7} \cdot 05$$



At what time (approx.) between 7 and 8 o' clock , the hands of the clock will be in opposite side ?

#### A. 7:05

- B. 7:30
- C. 7:45
- D. None of the above

At what time(s) between 7 and 8 o' clock , the hands of the clock will be at right angles (approx.) ?

- A. 7:11 and 7:31
    $\pm$  90° = //m 60 h

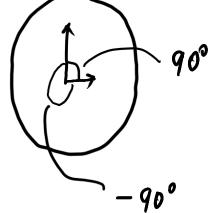
   B. 7:22 and 7:55
   2 

   C. 7:35 only
- D. None of the above

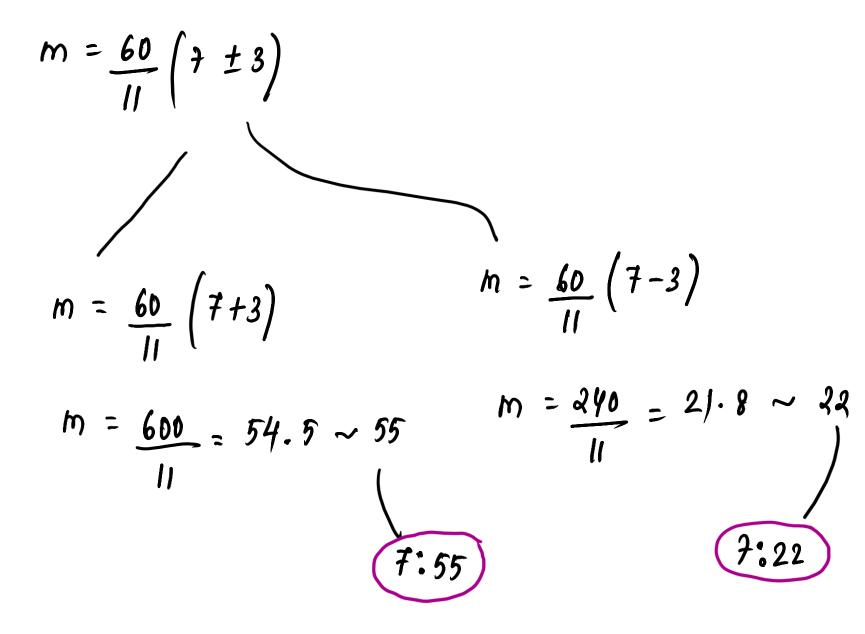
$$\pm 180^{\circ} = 11m - 60 x7$$

$$llm = 60(7\pm3)$$

$$M = \frac{60}{11} \left( 7 \pm 3 \right)$$



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At what time(s) between 7 and 8 o' clock , the hands of the clock will be at right angles (approx.) ?

- A. 7:11 and 7:31
- B. 7:22 and 7:55
- C. 7:35 only
- D. None of the above

At what time between 3 and 4 o' clock , the hands of the clock will be 4 mins apart ?

A. 3:12  
Angle in between = 4 mins = 
$$4 \times 6^{\circ} = \frac{44^{\circ}}{44^{\circ}}$$
  
B. 3:15  
C. 3:14  
D. 3:16  
 $\frac{4}{8^{\circ}} = \frac{11m - 60h}{2}$   
 $\frac{4}{8^{\circ}} = \frac{11m - 60h}{2}$   
 $\frac{4}{8^{\circ}} = \frac{11m - 60x3}{48^{\circ}}$   
 $\frac{11m = 180^{\circ} - 48^{\circ} = 132^{\circ}}{11m = 180^{\circ} - 48^{\circ} = 132^{\circ}}$   
 $\frac{11m = 48^{\circ} + 180^{\circ}}{11}$   
 $m = \frac{248^{\circ}}{11} = 20.7 \sim 21 \text{ minutus}$   
 $\frac{(3:21)}{(3:21)}$   
 $\frac{(3:12)}{(3:12)} (available in a state in the state in t$ 



#### At what time between 3 and 4 o' clock , the hands of the clock will be 4 mins apart ?

- A. 3:12
- B. 3:15
- C. 3:14
- D. 3:16

# What is the angle between the hour hand and the minute hand of the clock when the clock shows 4 hours and 40 minutes ?

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A. 80°  $0 = \frac{l/m - 60h}{m}$ B. 100° C. 120° D. 220° 0 = // x 40 - 60 x 42  $\Theta = \frac{440 - 240}{3}$ = \$ /00°

## What is the angle between the hour hand and the minute hand of the clock when the clock

#### shows 4 hours and 40 minutes ?

A. 80°

**B. 100°** 

C. 120°

D. 220°



#### 11:20 'o clock makes an angle between hour and minute hand

A. 
$$130^{\circ}$$
  $0 = \frac{1/120 - 60 \times 1/1}{100}$ 

**C. 120°** 

D. 140° 
$$\emptyset = -\frac{440}{3} = -\frac{220^{\circ}}{-\frac{$$



#### 11:20 'o clock makes an angle between hour and minute hand

**A. 130°** 

**B.** 150°

**C. 120°** 

**D. 140°** 

#### A clock started at noon. By 10 minutes past 5, the hour hand has turned through

A. 140°  
B. 145°  
C. 155°  
D. 175°  
10 minutes past 
$$5 = 5 \times 60 + 10$$
  
 $= 310$  minute  
In 310° mins, bour hand Will  $= \frac{1}{2}^{\circ} \times 310^{\circ} = \frac{105^{\circ}}{2}$   
Move through



#### A clock started at noon. By 10 minutes past 5, the hour hand has turned through

**A. 140°** 

**B.** 145°

**C.** 155°

**D.** 175°

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PROGRESSIONS

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