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# Puzzle Test Exercise for IBPS PO Pre, IBPS SO Pre, IBPS Clerk, SBI PO Pre and SBI Clerk Exams

## PUZZLE TEST SET NO. 107

**Directions:** Read the given information carefully and answer the questions given below.

There are 7 students A,B,C,D,E,F and G who wake up at different time (4am, 5am ----- 10am) and studies different subject Maths, Chemistry, Economics, English, Biology, Accounts and Physics. The one who is not A wakes up earliest and studies English. F studies Economics. There is a 3 hour gap between G and the one who studies Maths who don't wake up last. The one who study chemistry wakes up 2ndlast. The one who studies English wakes up at half of the time B wakes up. B and G wake up next to each other. Difference of wake up time of B and C is equal to the difference of wake up time of G and F. E don' wake up at a time multiple of 2 and D studies Biology. B does not study Account.

### 1. Who wakes up at 7am?

- A. A                                  B. D                                  C. G  
D. E                                  E. C

### 2. Which of the following combination is incorrect?

- A. A 6 am Maths                  B. D 10am Biology                  C. F 7am Economics  
D. C 4am English                  E. All are correct

### 3. Who wakes up immediately after the one who studies Physics?

- A. G                                  B. D                                  C. E  
D. A                                  E. F

**4. Who wakes up between F and E?**

A. C

B. A

C. B

D. G

E. None

**5. The one who wakes up at 5 am studies which subject?**

A. English

B. Economics

C. Maths

D. Accounts

E. Chemistry



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**Correct answers:**

1	2	3	4	5
D	C	A	B	B

**Common Explanation:**

**Reference:**

- The one who wake up earliest studies English.
- The one who studies English wakes up at half of the time of B.
- The one who study chemistry wakes up 2<sup>nd</sup> last.

**Inference:**

- From the above condition the one who studies English wakes up at 4 am, that means Bunty wakes up at 8 am.
- The one study Chemistry wakes up at 9am.

				B		
4am	5am	6am	7am	8am	9am	10am
English					Chemistry	

**Reference:**

- There is a 3 hour gap between the G and the one who studies Maths who don't wake up last.
- B and G wake up next to each other.

**Inference**

There are 2 cases -

- G wakes up at 7am
- G wakes up at 9am

**Case1:** G wakes up at 7am

			G	B		
4am	5am	6am	7am	8am	9am	10am
English					Chemistry	

**Reference:**

There is a 3 hour gap between the G and the one who studies Maths who don't wake up last.

**Inference:**

That means the one who studies maths wakes up at 10 am but according to above condition the one who studies Maths don't wake up last.

Hence this case is invalid.

**Case2:** G wakes up at 9am

				B	G	
4am	5am	6am	7am	8am	9am	10am
English					Chemistry	

**Reference:**

There is a 3 hour gap between the G and the one who studies Maths who don't wake up last.

Difference of wake up time of B and C is equal to the difference of wake up time of G and F

**Inference:**

That means the one who studies Maths wakes up at 6 am.

From the above condition it can be concluded:-

$$B - C = G - F$$

There are two sub cases for the timing of C and F.

**Case 2.a-**

When C = 10am and F = 7am

$$B - C = G - F$$

$$8 - 10 = 9 - 7$$

			F	B	G	C
4am	5am	6am	7am	8am	9am	10am
English		Maths			Chemistry	

**Reference:**

- F studies Economics.
- E don't wake up at a time multiple of 2 and D studies Biology.
- The one who is not A wake up earliest.

**Inference:**

From the above condition E wakes up at 5am.

	E		F	B	G	C
4am	5am	6am	7am	8am	9am	10am
English		Maths	Economics		Chemistry	

D studies Biology therefore there is no time left for D. Hence this case is invalid.

### Case 2.b

When  $C = 4\text{am}$  and  $F = 5\text{am}$

$$B - C = G - F$$

$$8 - 4 = 9 - 5$$

C	F			B	G	
4am	5am	6am	7am	8am	9am	10am
English		Maths			Chemistry	

### Reference:

F studies Economics.

E don't wake up at a time multiple of 2 and D studies Biology.

The one who is not A wake up earliest.

D studies Biology

### Inference:

From the above condition E wakes up at 7am.

D studies Biology therefore there is only one time left for D which is 10am

C	E		F	B	G	D
4am	5am	6am	7am	8am	9am	10am
English		Maths	Economics		Chemistry	Biology

**Reference:**

B does not study Account.

**Inference:**

That means E studies Accounts.

C	E	A	F	B	G	D
4am	5am	6am	7am	8am	9am	10am
English	Accounts	Maths	Economics		Chemistry	Biology

This is the final arrangement.



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## Explanations:

**1.**

From the final arrangement it is clear that E wakes up at 7am.

Hence the correct answer is option D.

**2.**

From the given solution it is clear that option C is incorrect.

Hence the correct answer is option C.

**3.**

G sits immediately after the one who studies Physics.

Hence the correct answer is option A.

**4.**

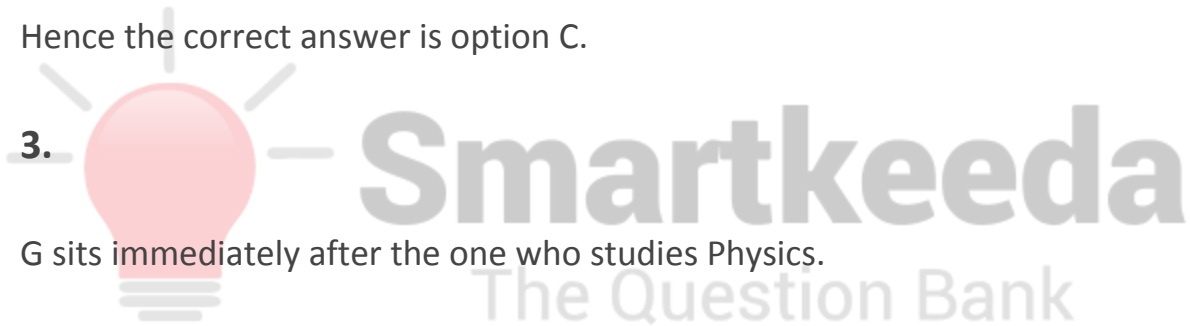
From the given solution A wakes up between F and E.

Hence the correct answer is option B.

**5.**

From the given solution F who wakes up at 5am studies Economics.

Hence the correct answer is option B.





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