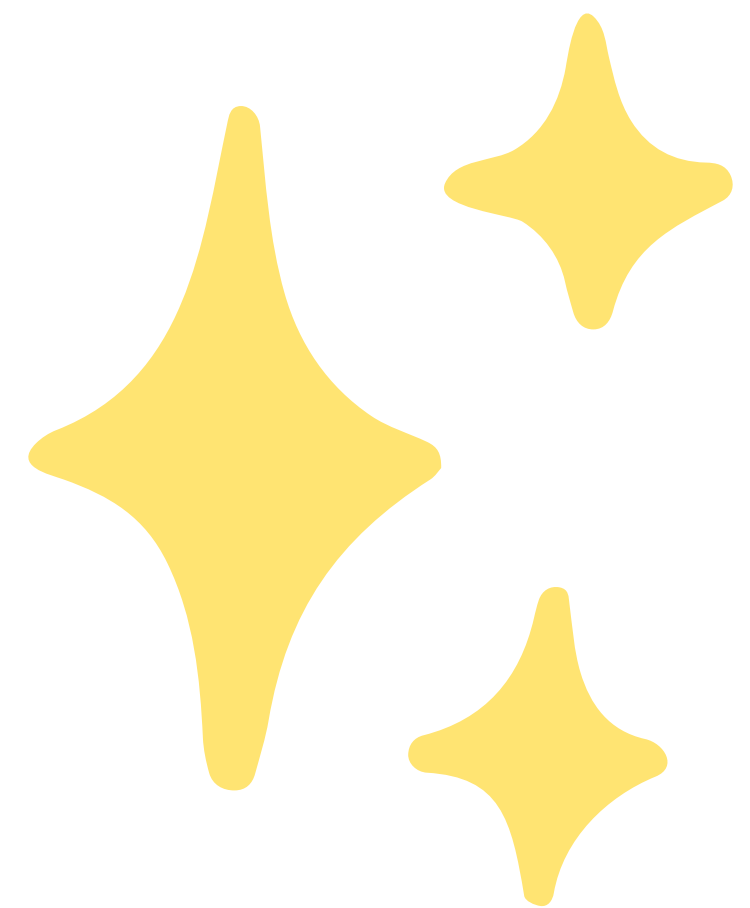


BioQuest

Answer Key and Solutions for Aptitude



Question 1

If January 1, 2025 is a Wednesday, what day will March 1, 2025 be?


- A Friday
- B Saturday
- C Sunday
- D Monday












Answer

MISSION: DATE DETECTIVE

 You're a Calendar Detective, and you've just landed in January 1, 2025. Your clue: it's a Wednesday. Now your goal? Use your calendar compass to jump forward to March 1, 2025, and figure out what day of the week that is. Let's go!

 Step-by-Step Time Travel
 January : 31 days total
From Jan 1 (Wed) to Jan 31 → that's 30 days later
 $30 \div 7 = 4 \text{ weeks} + 2 \text{ extra days}$
 So Jan 31 is Friday

 February (2025 is not a leap year)
28 days = exactly 4 weeks
 Feb 28 is also Friday
 March 1
Day after Feb 28 → Saturday

 Answer: B - Saturday

Question 2

If in a certain code, FLOWER is written as GMPXFS, how is GARDEN written?

A HBSEFO

B HBSOFE

C HBSFEO

D HBSEOF



Answer

What's the code trick here?

We're told:

abc FLOWER → GMPXFS

Let's check the letter-by-letter transformation:

 Notice the pattern?

Each letter is shifted +1 in the alphabet!

Simple, right? Just add 1 to each letter! Now let's apply it to GARDEN.

Encoding GARDEN

Original	F	L	O	W	E	R
Code	G	M	P	X	F	S

Original	G	A	R	D	E	N
Code	H	B	S	E	F	O

 Answer: A – HBSEFO



Question 3

A clock shows 3:15. What is the angle between the hour and minute hands?

- A 0°
- B 7.5°
- C 22.5°
- D 30°



Answer

What is the angle between the hour and minute hands at 3:15?

Step 1: Minute hand position

- Each minute = 6°
 - $15 \text{ minutes} \times 6^\circ = 90^\circ$
- So, the minute hand is exactly at 90° (pointing at 3).

Step 3: Angle between them

$$|97.5^\circ - 90^\circ| = 7.5^\circ$$

Step 2: Hour hand position

Each hour = 30° ($360^\circ \div 12$)

At 3:00, hour hand is at 90°

But at 3:15, it has moved $\frac{1}{4}$ of the way toward 4:

$$30^\circ \times \frac{1}{4} = 7.5^\circ$$

So, the hour hand is at $90^\circ + 7.5^\circ = 97.5^\circ$

 **Answer: B - 7.5°**



Question 4

Pointing to a woman, Nirmal said, "She is the daughter of my wife's grandfather's only child." How is the woman related to Nirmal?



A Wife



Sister



Sister-in-Law



None of these

Answer



Let's break this down step by step:
"She is the daughter of my wife's
grandfather's only child."

🔍 Analyze the statement:

1. Wife's grandfather's only child
2. → That would be Wife's father (since he is the only child of the wife's grandfather).
3. Daughter of Wife's father
4. → That means Wife's sister or Wife herself, depending on how many daughters he has.

But Nirmal says "the daughter of my wife's grandfather's only child," and if the grandfather had only one child, then that child (the wife's father) can have multiple daughters — including Nirmal's wife.

So:

✅ The woman = Nirmal's wife

✅ *Answer: A - Wife*



Thank You!

**Please fill the
feedback form!**

