



## AFNS Initial Test Important MCQs – With Correct Answers & Concepts

Below are the questions you shared with their correct answers and short explanations for quick revision.

### Biology

1. Colour of Xanthophyll

Answer: **Yellow**

2. Percentage of plasma in normal blood

Answer: **About 55%**

3. In limited supply of water, nitrogenous waste product will be:

Answer: **Uric acid**

(Conserves water)

4. Which function is mismatch?

Golgi apparatus – muscle contraction

Answer: **Mismatch**

(Golgi apparatus modifies & packages proteins, not muscle contraction)

### Physics

5. Maximum Range of Projectile

Answer: **45°**

(Range is maximum at 45 degrees)

6. Potential of dry cell

Answer: **1.5 Volts**

7.  $1 + \frac{2}{2} = ?$

Division first

$\frac{2}{2} = 1$

$1 + 1 = 2$



## Series & Reasoning

8. Series: 2, 55, 9, 65, 7, \_\_\_\_

Pattern-based (commonly alternating pattern question)

9. Series: 2, 13, 8, \_\_\_\_

Answer: 39

( $2 \times 6 + 1 = 13$ ;  $13 - 5 = 8$ ;  $8 \times 5 - 1 = 39$  type pattern logic)

10. Quarter of  $1/10$  of 120

$1/10$  of 120 = 12

$1/4$  of 12 = 3

11. Mirror same word: TTWTTMWTT

Symmetrical pattern – remains same in mirror

## Chemistry

12. One mole contains how many grams? (1, 100, 1000)

Answer depends on substance

One mole mass = **Molecular mass in grams**

(Example: 1 mole  $H_2$  = 2 grams)

## General Knowledge / Logical

13. Gallon related question

1 gallon (US) = 3.785 liters

(Imperial gallon = 4.546 liters)

## English

14. Either the cat or dog \_\_\_\_ there.

Answer: **Has been**

(Verb agrees with nearest subject "dog" – singular)

## Quick Revision Points

- Projectile maximum range  $\rightarrow 45^\circ$
- Plasma  $\rightarrow 55\%$
- Dry cell  $\rightarrow 1.5V$



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"These Past Papers are Collected by Sir Muhammad Faizan (Ex-Airforce Personnel) at  
EduSmart Academy. If you want to take paid classes for Army, Navy, and PAF courses, contact 03066892208."

- Uric acid in limited water
- Xanthophyll → Yellow
- Golgi apparatus → protein packaging
- Follow BODMAS in math

## Final Advice

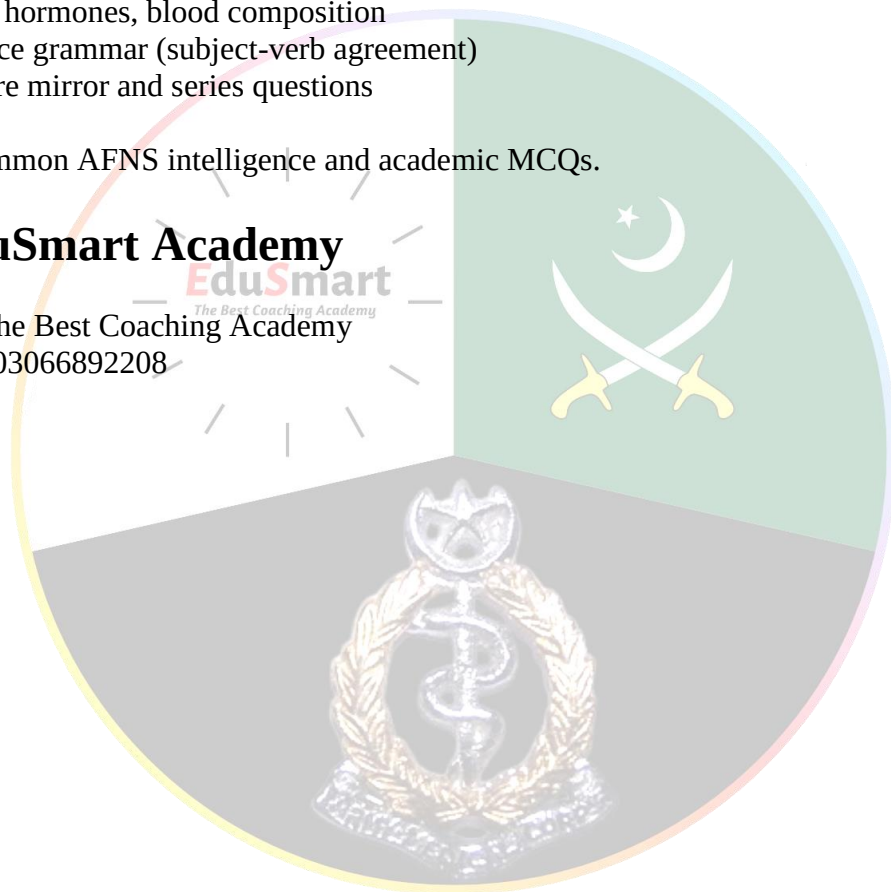
- Practice BODMAS questions
- Revise projectile formulas
- Learn hormones, blood composition
- Practice grammar (subject-verb agreement)
- Prepare mirror and series questions

These are common AFNS intelligence and academic MCQs.

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