



AFNS Initial Test Experience-4 – Complete Intelligence & Academic MCQs Review (Verbal, Non- Verbal, Physics, Biology, Chemistry)

Name: XYZ

Branch: AFNS

Preparation: EduSmart Academy

Assalamualaikum. I am sharing my complete AFNS Initial Test Experience including Intelligence (Verbal & Non-Verbal) and Academic portion. This review will help candidates understand the paper pattern and important repeated concepts.

Intelligence Test (Verbal & Non-Verbal)

Verbal Portion

Verbal section mostly included repeated pattern-based questions. Time management is extremely important.

Common Topics:

- Percentage
- Age problems
- Distance
- Direction (right/left turns)
- Series questions
- Basic analogy and vocabulary

Non-Verbal Portion

Non-verbal was pattern-based and manageable.

Topics included:

- Figure series
- Pattern completion
- Logical shapes
- Mirror images



Speed and focus are key in this section.

Academic Test – Important MCQs & Concepts

Biology

- Number of pumps in heart
- Muscles in human arm
- First transplanted organ (Kidney – 1954)
- Histology (study of tissues)
- Pituitary gland hormone
- Number of bones in baby
- Average length of large intestine
- Average weight of newborn baby
- Largest cell in human body (Ovum)
- Ripening of fruits (Ethylene hormone)
- Amoeba moves due to pseudopodia
- Number of amino acids in one molecule of hemoglobin
- Scientific name of potato (*Solanum tuberosum*)
- Blood group inheritance (carrier concept)

Chemistry

- Unit of energy (Joule)
- 1 calorie = 4.184 joule
- Soda pH concept
- Rubber is polymer of isoprene
- Unit of crude oil
- Unit of density (kg/m^3)
- Lowest dipole moment (CO_2)
- At low frequency, reactance of capacitor is high
- Exothermic vs endothermic reaction
- Enzyme function (increase rate of reaction)
- Cofactor (non-protein part)

Physics

- 1 horse power = 746 watt
- Gross = 12 dozens (144)
- 1 nautical mile = 1.852 km
- Unit of RAD
- Lenz's law
- Rain drops are spherical (surface tension)



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- Device converting coherent light into electric power (photoelectric concept)
- Resolving power of light microscope (0.002 mm type option)

English

- Synonym of pedigree
- Article usage
- Sentence correction
- Prepositions
- Basic grammar MCQs

Final Advice

- Revise units and conversions carefully.
- Strengthen biology basics (hormones, organs, structures).
- Practice physics conceptual questions.
- Improve time management in verbal section.

AFNS test becomes manageable when concepts are clear and practice is consistent.

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