

TABLE OF CONTENT

Foreword	V
Questions Legend	VI
HUMAN FACTORS: BASIC CONCEPTS	1
Human Factors in aviation	1
Accident statistics	2
Flight safety concepts	3
BASIC AVIATION PHYSIOLOGY AND HEALTH MAINTENANCE	5
Basics of flight physiology	5
Man and Environment: the sensory system	32
Health and hygiene	53
BASIC AVIATION PSYCHOLOGY	63
Human information processing	63
Human error and reliability	70
Decision making	73
Avoiding and managing errors: cockpit management	77
Personality	90
Human overload and underload	94
Advanced cockpit automation	104
JAR-FCL-1 / Subpart J	107
Sample Test	111
Correct Answers for Sample Test	116

it is possible that you fully understand the knowledge concept of each question, rather than memorizing the A, B, C, D answer choices (JAA may rearrange individual answer stems to appear in different order on your exam than you see in the book).

Please note that the JAA does not supply the correct answers for some of the questions contained in this book and it is not responsible for its content. Our answers for these questions are based on a careful research from all available resources. If during your studies you encounter a question where you will doubt the answer choice we recommend you seek the assistance from your ground instructor or your flight training organization. If you still believe our answer needs a review, please forward your questions, concerns, or recommendations to support@aviationexam.com. We check our questions on a regular basis and integrate the updates when the need arises - these can be found on our website at www.aviationexam.com.

We would like to thank the way to all the pilots who have participated on this project and contributed large numbers of the JAA questions, official exams illustrations or even provided copies of several versions of the entire JAA Central Question Bank.

We are confident that with proper use of this book you will not only pass your JAA knowledge examinations on your first try, but you will also achieve an excellent score. We wish you good luck on your examinations, although with these books you will not need it!

Editorial Team

January 2006