

APCS Overview

Section I: Multiple Choice | 40 questions | 90 minutes | 50% of Exam Score

Section II: Free Response | 4 questions | 90 minutes | 50% of Exam Score

I. Object-Oriented Program Design

A. Program and class design

II. Program Implementation

A. Implementation techniques

B. Programming constructs

C. Java library classes and interfaces included in the AP Java Subset

III. Program Analysis

A. Testing

B. Debugging

C. Runtime exceptions

D. Program correctness

E. Algorithm analysis

F. Numerical representations of integers

IV. Standard Data Structures

A. Primitive data types (int, boolean, double)

B. Strings

C. Classes

D. Lists

E. Arrays (1-dimensional and 2-dimensional)

V. Standard Operations and Algorithms

A. Operations on data structures

B. Searching

C. Sorting

VI. Computing in Context

A. System reliability

B. Privacy

C. Legal issues and intellectual property

D. Social and ethical ramifications of computer use

Classification Category	Percent of multiple-choice items
Programming Fundamentals	55–75%
Data Structures	20–40%
Logic	5–15%
Algorithms/Problem Solving	25–45%
Object-Oriented Programming	15–25%
Recursion	5–15%
Software Engineering	2–10%