

ASSIST

Automated Test Scoring Service

Prepared by:
Testing Office
Phone: 510.885.3661
Fax: 510.885.4242

TABLE OF CONTENTS

A	3
Instructions for Completing The Answer Sheet.....	4
Sample Answer Sheet	5
Instructions for Coding The Answer Key Sheet.....	6
Sample Key Sheet	8
Test Score Analysis.....	9
Student Responses	9
Score Distribution	9
Sample Student Responses	10
Sample Score Distribution.....	11
Summary Statistics	12
Student Score Roster.....	12
Descriptive Item Analysis	12
Discriminative Item Analysis	12
Sample Summary Statistics	14
Sample Descriptive Item Analysis.....	15
Sample Discriminative Item Analysis	16
Authorization for Pick-Up of Test Results.....	17

ASSIST Overview

ASSIST is a computerized system for scoring multiple-choice examinations with these specifications:

exam may have a maximum of **160 items**

items may have a maximum of **five answer choices**

exam can be subdivided into a maximum of **six subtests**

raw scores can be **weighted** and **corrected for guessing**

ASSIST generates:

individual **student responses** to each question

Instructions for Completing The Answer Sheet

Successful and accurate computerized test scoring depends on properly completed answer sheets. Your students must:

answer sheet.

Use *only* a No. 2 pencil.

Make marks very dark so that the letter underneath mark cannot be seen.

Erase unintended marks completely.

The following information must be completed on the student's answer sheet:

Last Name, FI, MI	Students must enter their name in blocks at the top of this section then blacken the circle correspondent to each letter.
SSN / NET ID	Students must fill in NET ID then blacken the correspondent circle under each box. Do not worry that there are no letters in that section or that it says Social Security Number.
Sex/Class Level	Optional
Instructor/Course Section/Date	Students must complete this information (located on upper-right corner of answer sheet.
Answers	Students mark their responses to questions 1-100 on page 1

Instruction for Coding The Answer Key Sheet

A blank answer sheet is used to make the answer key sheet (use *only* a No. 2 pencil). The following information must be completed in the sections indicated:

Last Name: Boxes 1-4 write and bubble abbreviated department name.
Boxes 5-14 Write and bubble instructor name.

SSN / NET ID: Write and bubble 999999999

Number of

Part Scores

On side 2 of the key sheet, you may organize the total test into subtests and get scores for each one, as well as for the total test. The subtest

Sample Key Sheet



Test Score Analysis

Sample Student Responses

PROGRAM NUMBER 108

BATCH ID: 900 RUN NUMBER: 1

OPTIONS 1:

KEY RECORD ENGL JONES 3003 01
141 1234143324213441

STUDENT 000-00-0008
14111234142*24213341

STUDENT A 000008

Sample Score Distribution

CALIFORNIA STATE UNIVERSITY - HAYWARD					
83-PA	DATE SEPTEMBER 09, 1996	RAW SCORE DISTRIBUTION		FOR	PAGE NUMBER
	ENGL 3003 01			JONES	FO
1	*****				
	RANK	CUMULATIVE FREQUENCY	PERCENTILE RANK	PERCENT SCORE	STANDARD SCORE
	FREQUENCY	FREQUENCY	RANK	SCORE	SCORE
	1	10	90	100.0	63.58
	17	9	80	89.4	58.25
	16	8	70	74.2	55.59
	15	7	60	70.9	52.93
	14	4	20	73.6	50.26
	8	2	10	42.1	34.28
	6	1	0	31.5	28.95
STANDARD SCORE HAS MEAN OF 50 AND STANDARD DEVIATION OF 10.					
NUMBER OF QUESTIONS		NUMBER OF OMISSIONS IN KEY		NUMBER OF KEVED QRS	
20		1		19	
NUMBER OF STUDENTS		SUM OF SCORES		SUM OF SQUARED SCS	
10		139		2073	
MEAN		14.00		24.75	
13.90		15		14.75	
RICHARDSON					
STANDARD ERROR OF MEASUREMENT					
1.76					
KR-20 AND S.E.M. ARE BASED ON THE NUMBER RIGHT AND KEVED QRS.					

Summary Statistics:

The following summary statistics are provided in the section after the raw score distribution:

Student Score Roster

SSN/NET ID number, sex and class level, number of right, wrong, and omitted answers, percent score, standard score and raw score adjusted for weighting and scoring formula (if used).

See Page 14 for a sample of the Summary Statistics –Score Roster.

Descriptive Item Analysis

This item analysis option is only generated if the **Item Analysis** area of the key sheet is marked with a 1 (or 2).

Each answer alternative are given. The correct alternative is marked with an asterisk *. Items left blank on _____ responding to or omitting

See Page 15 for a sample of the Descriptive Item Analysis.

Discriminative Item Analysis

This item analysis option is only generated if the **Item Analysis** area of the key sheet is marked with a 2. This option is useful for evaluating individual test items in greater detail than is possible with the descriptive item analysis.

The discriminative item analysis consists of two categories of information for each item:

High/Middle/Low Group Comparison

Students are separated into the following three groups:

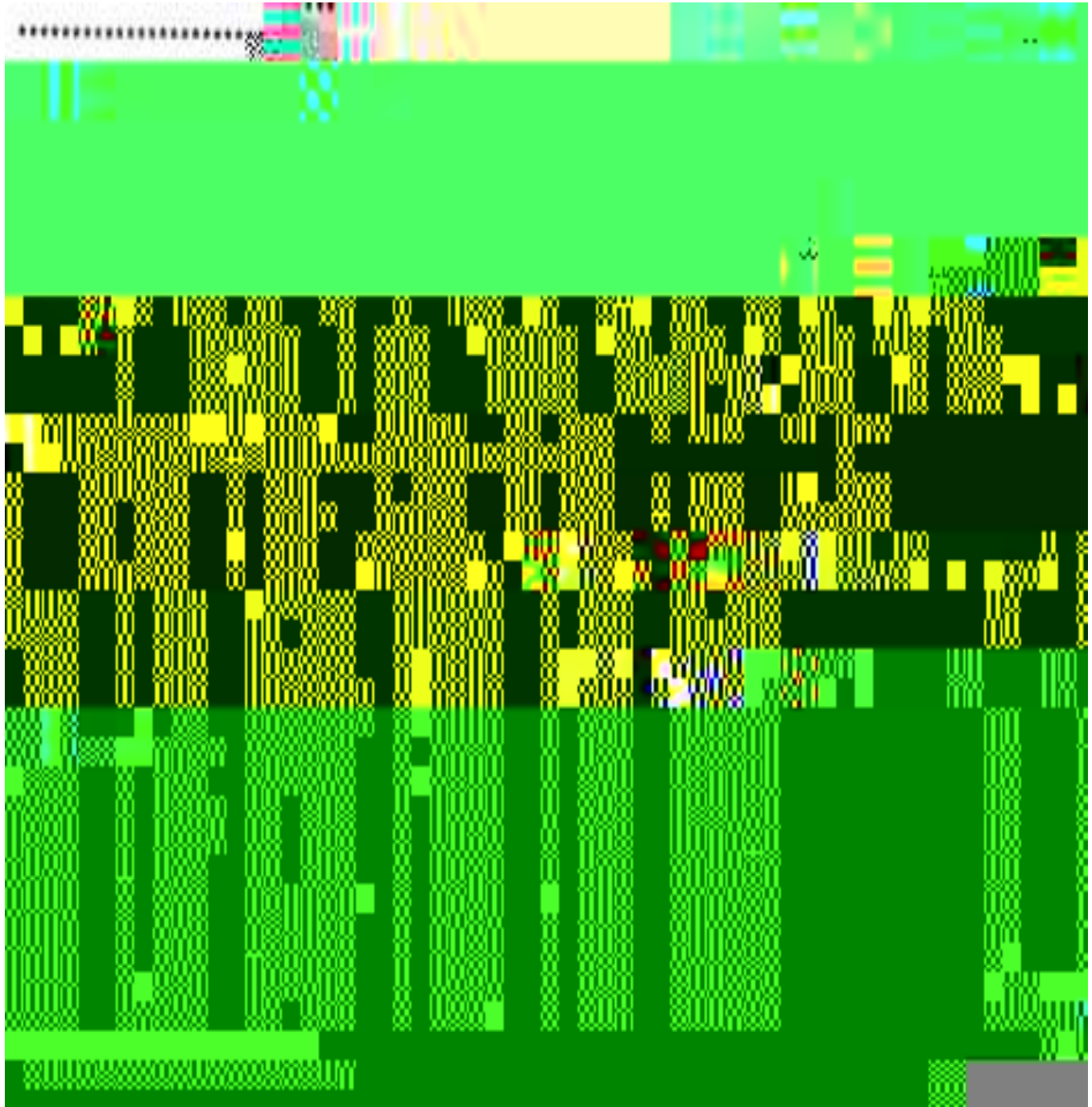
Upper top 27% of the score distribution
Middle 46% of the score distribution
Low bottom 27% of the score distribution

Item Statistics/Indices

Index of Difficulty - This is the percentage of the total group that has responded incorrectly to the item (including omissions).

Index of Discrimination - This is the difference between the percent of correct responses in the upper group and the percent of correct

Sample Descriptive Item Analysis



Sample Di()-5 784aBT3G*5 784aBT3G*5 784aBT3Gt1308a14(a)-y

ASSIST
Automated Test Scoring Services
Authorization for Pick-Up of Test Results