

Introduction

Print Services has available for instructors of the college a test scoring system. General Purpose NCS Answer Sheets, form no. 4521 are used to record the test key and student responses. Each test is limited to 200 questions, with five possible responses per question. Answers must be recorded by marking the appropriate response filled in with a no. 2 lead pencil.

This grading system offers a quick, efficient, and accurate means for test scoring. Calculated scores and statistical measures from this system provide a method for evaluating the student and the test but by no means dictate the grading scale the instructor should use.

Five new reports are available from our new test scoring system:

Student Statistics Report – Displays statistical data related to the performance of each student.

Test Statistics Report – Displays descriptive statistics about the overall test.

Detailed Item Analysis Report – Provides an in-depth look at individual question statistics.

Test Item Statistics Report – Displays statistical data related to each graded test question.

Student Grade Report - Displays individual grade results for each student.

Instructions

1. Obtain General Purpose Answer Sheets from your Division Office.
2. Instruct the student to use only a No. 2 pencil when marking the answer sheets.
3. Have the students complete the name section by printing their names in the blocks provided and blackening the corresponding letter below each block. The Identification Number and Special Codes sections are displayed on the reports after the student's name, this information can be used at your discretion to identify the student or the class.

The diagram illustrates the layout of the General Purpose Answer Sheet form. It shows a section for the student's name (Last, First, M.I.) with a grid of bubbles for each letter. Below this is a section for the birthdate (MO., DAY, YR.) with bubbles for each digit. To the right is a section for the identification number (B, C, D, E, F, G, H, I, J) with bubbles for each digit. Further right is a section for special codes (L, M, N, O, P) with bubbles for each letter. Arrows point from these sections to a sample student entry: Student: STUDENT D 4444444 1112.

4. Have the students record their answers on the General Purpose Answer sheets by filling in one response circle for each question. Multiple responses are scored as incorrect and will be listed as MULT on the Student Grade Report.
5. Record the correct answers on a General Purpose Answer sheet. The instructor's name, department, and the course id can be written on the top of the form in the extra space above the Name. The test key sheet should be placed on the top of the student answer sheets.
6. The Student Grade Report and the Student Statistics Reports are not sorted by student name. Instructors will need to sort the forms before sending them to Print Services.
7. Place the tests in an interoffice envelop and place them in the test drop box in Printing Services, room M270.

Reports

Five reports are generated for each set of test results.

Student Statistics Report – Displays statistical data related to the performance of each student, this replaces the mainframe Class Summary Report.

Student Statistics Report						
Overall						
Student	Grade	Total	Percent		Correct	Incorrect
STUDENT A 1111111 1112		53.00 / 60.00	88.33		53	7
STUDENT B 2222222 1112		30.00 / 60.00	50.00		30	30
STUDENT C 3333333 1112		39.00 / 60.00	65.00		39	21
STUDENT D 4444444 1112		55.00 / 60.00	91.67		55	5
STUDENT E 5555555 1112		47.00 / 60.00	78.33		47	13
Mean		44.80	74.67		44.80	15.20

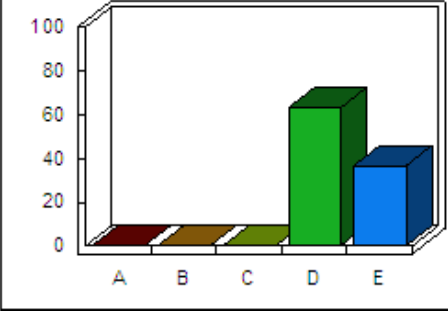
Test Statistics Report – Displays descriptive statistics about the overall test. Replaces some of the information on the mainframe Class Summary Report.

Test Statistics Report		
Overall		
Score Data		
Number of Graded Items	60	
Total Points Possible	60	
Maximum Score	55	
Minimum Score	27	
Statistics		
Mean Score	43.53	
Mean Percent Score	72.54	
Benchmark Score	-	
Range of Scores	28.00	
Standard Deviation	8.60	
Variance	74.04	
Percentiles		
Percentile (25)	39.00	
Median Score	42.00	
Percentile (75)	53.00	
Inter Quartile Range	14.00	
Confidence Intervals		
1%	37.84	
5%	39.38	
95%	47.67	
99%	49.21	
Test Reliability		
Kuder-Richardson Formula 20	0.89	
Kuder-Richardson Formula 21	0.85	
Coefficient (Cronbach) Alpha	0.88	

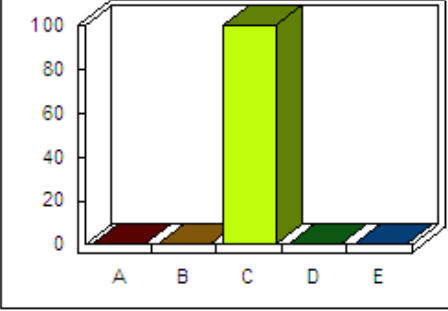
Detailed Item Analysis Report – Provides an in-depth look at individual question statistics. Replaces the mainframe report Correlation of Response with Total Score.

Detailed Item Analysis Report

Question1

Response	Frequency	Percent	Point Biserial	Graph
A	0	0.00	-	
B	0	0.00	-	
C	0	0.00	-	
D	12	63.16	0.16	
*E	7	36.84	-0.16	
Total				
		100.00		

Question2

Response	Frequency	Percent	Point Biserial	Graph
A	0	0.00	-	
B	0	0.00	-	
*C	19	100.00	-	
D	0	0.00	-	
E	0	0.00	-	
Total				
		100.00		

Test Item Statistics Report – Displays statistical data related to each graded test question, this replaces the mainframe Summary By Question Report.

Test Item Statistics Report

Question		Summary Statistics				Reliability	
Question	Points	Graded	Correct	Incorrect	No Response	Point Biserial	P-Value
Question1	1.00	5	1	4	0	-0.28	0.20
Question2	1.00	5	5	0	0	-	1.00
Question3	1.00	5	5	0	0	-	1.00
Question4	1.00	5	5	0	0	-	1.00
Question5	1.00	5	4	1	0	0.71	0.80
Question6	1.00	5	5	0	0	-	1.00
Question7	1.00	5	5	0	0	-	1.00
Question8	1.00	5	4	1	0	0.71	0.80
Question9	1.00	5	4	1	0	-0.40	0.80
Question10	1.00	5	3	2	0	0.28	0.80
Question11	1.00	5	3	2	0	0.81	0.80
Question12	1.00	5	4	1	0	0.71	0.80
Question13	1.00	5	4	1	0	-0.11	0.80
Question14	1.00	5	5	0	0	-	1.00
Question15	1.00	5	4	1	0	0.71	0.80
Question16	1.00	5	3	2	0	0.18	0.80
Question17	1.00	5	4	1	0	0.71	0.80
Question18	1.00	5	0	5	0	-	0.00
Question19	1.00	5	1	4	0	0.49	0.20
Question20	1.00	5	4	1	0	-0.11	0.80
Question21	1.00	5	5	0	0	-	1.00
Question22	1.00	5	5	0	0	-	1.00
Question23	1.00	5	4	1	0	0.71	0.80
Question24	1.00	5	3	2	0	0.81	0.80
Question25	1.00	5	4	1	0	0.28	0.80
Question26	1.00	5	4	1	0	0.28	0.80
Question27	1.00	5	3	2	0	0.81	0.80
Question28	1.00	5	3	2	0	0.14	0.80
Question29	1.00	5	5	0	0	-	1.00

Student Grade Report - Displays individual grade results for each student, this replaces the mainframe Individual Student Response Report.

Student Grade Report

Student: STUDENT A 1111111 1112

	Grade	Total Score	Score (%)
Overall		53.00	88.33 <div style="display: inline-block; width: 50px; height: 15px; background-color: blue; vertical-align: middle;"></div>

Responses

Question	Response	Correct Answer	Question	Response	Correct Answer	Question	Response	Correct Answer
Question1	D	E	Question22	D		Question43	A	
Question2	C		Question23	B		Question44	A	
Question3	D		Question24	C		Question45	B	
Question4	B		Question25	A		Question46	A	
Question5	A		Question26	A		Question47	C	
Question6	A		Question27	C		Question48	B	
Question7	D		Question28	C		Question49	B	
Question8	C		Question29	D		Question50	A	
Question9	C	B	Question30	A		Question51	B	
Question10	B	A	Question31	B		Question52	C	
Question11	C		Question32	C		Question53	C	
Question12	B		Question33	D	C	Question54	D	
Question13	D		Question34	A		Question55	A	
Question14	C		Question35	B		Question56	A	
Question15	C		Question36	C		Question57	A	
Question16	B		Question37	C		Question58	B	
Question17	B		Question38	B		Question59	B	D
Question18	B	C	Question39	A		Question60	C	
Question19	B	D	Question40	A				
Question20	E		Question41	C				
Question21	D		Question42	B				