

Results of POCAT, Autumn 2006

Note: Twenty one students took the POCAT in Autumn '06. There were 18 questions in this test, 17 of which were based on the required courses, the 18th was based on CSE 630. For the question based on CSE 630, students who had not taken the course could choose answer (f) ["I have not taken the course and have no idea (what the correct answer is)"]. In addition, there were two questions about the test, the first about the length of the test ["too long", "too short", or "just right" being answers (a), (b), (c) respectively], the second about the difficulty of the test ["too difficult", "too easy", or "just right" being answers (a), (b), (c) respectively]. Most students felt the test was the right length and difficulty; the answers to these questions are not included in the tables below.

The results are reported in three tables below. The first table is organized by student code. The first column lists the code of each student. Following this are columns, one for each question on the test; the answer picked by each student for that question is listed. The last column is a summary column that specifies the percentage of questions that each student answered correctly.

Code	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	% correct
A	c	a	b	b	e	d	c	c	d	a	c	b	b	d	d	e	d	d	38
B	c	a	c	a	d	d	e	c	a	a	c	b	d	a	c	c	d	b	55
C	a	a	c	a	f	d	e	d	b	a	c	b	b	b	b	c	d	f	52
D	d	c	b	a	e	d	a	c	b	a	c	a	b	d	b	c	c	d	66
E	e	e	b	d	d	c	d	c	c	e	c	c	d	b	c	b	c	d	38
F	e	a	c	d	e	d	a	c	b	d	c	a	b	b	b	e	d	d	44
G	e	a	c	a	f	d	b	c	b	a	c	b	d	e	b	c	d	b	55
H	c	b	b	a	d	d	a	c	b	a	c	b	d	c	d	e	d	f	52
I	c	a	b	a	d	d	a	c	b	a	c	c	d	a	b	c	d	d	77
J	c	a	c	d	f	e	e	c	a	d	c	a	d	a	b	d	b	d	38
K	a	a	a	a	d	b	b	c	b	a	b	c	d	c	b	c	b	b	66
L	e	e	c	c	d	d	b	c	b	a	c	c	c	b	e	c	c	f	52
M	c	a	b	a	f	d	d	d	b	a	d	b	d	b	c	c	c	e	44
N	a	c	c	e	d	d	b	c	b	a	c	c	d	d	a	e	f	d	61
P	f	a	a	d	d	d	a	c	b	e	c	c	e	a	b	c	b	d	66
Q	a	a	a	a	e	e	a	c	c	a	c	c	b	e	b	c	c	b	66

R	c	c	b	a	c	b	a	c	b	a	c	b	a	c	a	e	b	e	33
S	a	a	c	a	d	d	c	c	c	b	c	c	d	d	b	c	d	d	72
T	c	e	b	c	d	b	e	d	d	a	c	c	c	d	c	d	d	c	27
U	d	a	b	d	c	b	a	d	b	d	c	d	c	a	b	c	b	e	33
V	c	a	c	a	f	d	a	d	b	b	d	c	b	a	c	e	c	g	38
W	c	c	b	c	d	c	b	c	b	a	d	a	e	c	b	c	d	f	35

The next table is organized by question. For each question, the first row lists the course(s) most closely related to the question. The second row lists the program outcomes that the question corresponds to; the full set of program outcomes is available [elsewhere](#). The next several rows list, for each possible answer for each question, the number of students who picked the particular answer. For each question, the number of students who picked the right answer is in **boldface**; note that for some questions, because of ambiguity in the question or due to other reasons, more than one answer may be considered correct and, in this case, each of the corresponding numbers is in boldface. The next row lists, for each question, the percentage of students who picked the correct answer for that question; or, in the case of questions that have more than one correct answer, picked any of the correct answers. Note also that in the case of some questions, one of the possible "answers" that a student could choose was along the lines of "I have not taken the course and have no idea". Students who picked such an answer were not counted in computing these percentages; the number of students who picked such an answer is listed in parentheses. The next row lists the percentage of students *expected* to answer this question correctly; this is a figure provided by the faculty member who designed the question, based on his or her experience with the course(s) in question. In those cases where the percentage of students answering a question is substantially different from the expected figure, especially if the problem seems to recur for similar questions over a number of offerings of POCAT, coordinator(s) for the course(s) and the faculty who regularly teach the course(s) will be expected to look into the problem and make any needed changes. The Undergraduate Studies Committee and the Curriculum Committee will coordinate these efforts.

Question	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18
Courses	625, etc.	680	601	541	560	221, etc.	625	625	655	655	660	675	660	670	670	680	680	630
Outcomes	a,c,e	a,c,e	f	a,b,e	a,b,e,k	c,e,k	a,e,k	k	a,k	a,b,k	c,k	b,c,k	a,b,c,k	b,k	a,e,k	a,b,e,k	a,k	b,c,k
a	5	14	3	12	0	0	9	0	2	15	0	4	1	6	2	0	0	0
b	0	1	10	1	0	4	5	0	15	2	1	7	6	5	12	1	5	4
c	10	4	9	3	2	2	17	3	0	18	10	3	4	5	13	6	1	
d	2	0	0	5	11	14	2	5	2	3	3	1	10	5	2	2	10	9
e	4	3		1	4	2	4	0		2	0		2	2	1	6	0	3
f	1				5								0			0	1	(4)

g	0				0													1
h																		
% Correct	22	63	13	54	50	63	40	77	77	68	81	45	45	22	54	59	27	50
% Expected	60	50	60	60	60	40	60	60	80	60	80	80	50	50	70	60	80	70

The next table is organized by program outcome. For each outcome, the first row lists the numbers of the questions related to the outcome. The next row lists, for each outcome, the percentage of students who answered the questions related to the outcome, averaged over those questions. There is no "expected" row in this table. The Undergraduate Studies Committee will consider any corrective actions that may be needed based on the achievement figures in this table.

Outcome	a	b	c	e	f	k
Questions	1, 2, 4, 5, 7, 9, 10, 13, 15, 16, 17	4, 5, 10, 12, 13, 14, 16, 18	1, 2, 6, 11, 12, 13, 18	1, 2, 4, 5, 6, 7, 15, 16	3	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18
Average Achievement %	50	49	52	50	13	54

Comments or questions about this page should be sent to neelam AT cse.ohio-state.edu