

University of Dayton School of Business Administration Assessment Results 2008

EXHIBIT 6: UG Objective 3d Results Proficiency in using technology to structure and retrieve data for decisions

MIS 301 Hands-on Database Test: Students apply to a new scenario their skills in creating and querying relational databases and organizing the results during a limited time, in-class exam

Fall & Winter 2007-08
Sample: 126 students

Traits	Yes (1)	No (0)
A. Data Tables & Relationships		
Creates table	123 (98%)	3 (2%)
With all fields	113 (90%)	13 (10%)
Appropriate primary key	114 (90%)	12 (10%)
All fields set to appropriate data types	115 (91%)	11 (9%)
All fields set to appropriate size	119 (94%)	7 (6%)
Creates relationships between tables on correct fields	36 (29%)	90 (71%)
Mean Sub-Total (out of 6)	4.92	
B. Forms		
Creates form and sub form	98 (78%)	28 (22%)
All appropriate fields	85 (67%)	41 (33%)
No repeated fields	81 (64%)	45 (36%)
Appropriate labels	120 (95%)	6 (5%)
Appropriate form headers	120 (95%)	6 (5%)
Appropriate form footers	119 (94%)	7 (6%)
Mean Sub-Total (out of 6)	4.94	
C. Queries		
Select correct fields	122 (97%)	4 (3%)
Display only relevant fields	85 (67%)	41 (33%)
Sort on multiple criteria	91 (72%)	35 (28%)
Perform multi-table query correctly	72 (57%)	54 (43%)
Select appropriate criteria for record selection	118 (94%)	8 (6%)
Make use of correct comparison operator in a query	119 (94%)	7 (6%)
Select records on multiple criteria (e.g. and/or)	75 (60%)	51 (40%)
Select records on pattern match criteria (e.g. like a*)	39 (31%)	87 (69%)
Use parameter query function correctly	93 (74%)	33 (26%)
Perform calculation	82 (65%)	44 (35%)
Perform aggregate function correctly	69 (55%)	57 (45%)
Mean Sub-Total (out of 11)	7.66	
D. Reports		
Creates report	121 (96%)	5 (4%)
All appropriate fields	113 (90%)	13 (10%)
No repeated fields	105 (83%)	21 (17%)
Appropriate labels	119 (94%)	7 (6%)
Appropriate report headers	113 (90%)	13 (10%)
Appropriate report footers	81 (64%)	45 (36%)
Appropriate calculated fields	26 (21%)	100 (79%)
Mean Sub-Total (out of 7)	5.38	
Mean Total (out of 30)	22.90	

Total Score of 0-14: 8 (6.3%)
15-19: 18 (14.3%)
20-24: 46 (36.5%)
25-30: 54 (42.9%)

Total Score of 20 or better: 79.4% (Target 70%)