# Item Analysis Report

## MED546 Medicine Clerkship Exit Exam 2C

## Descriptive Statistics

| | | | | | | |
|---|---|---|---|---|---|---|
| Number of Candidates: | **20** | | | Variance: | **31.25** | |
| Number of Items: | **68** | | | Standard Deviation: | **5.59** | |
| | | | | Standard Error of Measurement: | **3.55** | |
| Min Score: | **29/68** | **(43%)** | | Reliability Measurement: | **0.598** | |
| Max Score: | **50/68** | **(74%)** | | Pass Score: | **42/68** | **(62%)** |
| Mean Score: | **43/68** | **(63%)** | | Pass Rate: | **11/20** | **(55%)** |

## Discrimination/Difficulty Table

| PBIS | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | > 90 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| > 70 | | | | | | | 1 | | | | 1 |
| 60-69 | | | | | | | | | 1 | | 1 |
| 50-59 | | | 1 | | 1 | | | 1 | | 3 | 6 |
| 40-49 | | | | 1 | | 4 | 2 | 1 | | | 8 |
| 30-39 | | | 1 | 1 | 1 | 2 | | | | 1 | 6 |
| 20-29 | | | 1 | 1 | | 2 | 2 | 2 | 4 | 2 | 14 |
| 10-19 | | | | | 1 | 4 | 1 | 2 | 1 | 1 | 10 |
| 0-9 | | | | | 1 | | | 1 | 3 | 2 | 7 |
| < 0 | | 2 | 1 | 2 | | 1 | 3 | 2 | 2 | 2 | 15 |
| TOTAL | | 2 | 4 | 5 | 4 | 13 | 9 | 9 | 11 | 11 | 68 |

Difficulty Level

## Pass Rate

| | Fail | PM - 2 SEM | PM - 1 SEM | PM + 1 SEM | PM + 2 SEM | Pass |
|---|---|---|---|---|---|---|
| **Raw** | 1 | 5 | 3 | 5 | 4 | 2 |
| **%** | 5% | 25% | 15% | 25% | 20% | 10% |

PM = Passing Mark
SEM = Standard Error of Measurement

## Frequency Distribution

| Score | Freq | %-ile | cum-% |
|-------|------|-------|-------|
| 29 | 1 | 2.50 | 5.00 |
| 30 | 0 | 5.00 | 5.00 |
| 31 | 0 | 5.00 | 5.00 |
| 32 | 0 | 5.00 | 5.00 |
| 33 | 0 | 5.00 | 5.00 |
| 34 | 0 | 5.00 | 5.00 |
| 35 | 0 | 5.00 | 5.00 |
| 36 | 2 | 10.00 | 15.00 |
| 37 | 3 | 22.50 | 30.00 |
| 38 | 0 | 30.00 | 30.00 |
| 39 | 0 | 30.00 | 30.00 |
| 40 | 1 | 32.50 | 35.00 |
| 41 | 0 | 35.00 | 35.00 |
| 42 | 2 | 40.00 | 45.00 |
| 43 | 1 | 47.50 | 50.00 |
| 44 | 1 | 52.50 | 55.00 |
| 45 | 3 | 62.50 | 70.00 |
| 46 | 1 | 72.50 | 75.00 |
| 47 | 0 | 75.00 | 75.00 |
| 48 | 1 | 77.50 | 80.00 |
| 49 | 2 | 85.00 | 90.00 |
| 50 | 2 | 95.00 | 100.00 |

## Item Statistics

| Item ID | Key | Difficulty | PBIS | Mode Choice | Count | Variance | Option Count 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HOMER_Quiz_1043822 | 4 | 50% | 0.32 | 4 | 20 | 0.25 | 8 | 1 | 1 | 10 | |
| HOMER_Quiz_1043823 | 1 | 40% | 0.11 | 4 | 20 | 0.24 | 8 | 1 | 0 | 9 | 2 |
| HOMER_Quiz_1043824 | 4 | 55% | 0.21 | 4 | 20 | 0.25 | 1 | 0 | 1 | 11 | 7 |
| HOMER_Quiz_1043825 | 2 | 55% | 0.17 | 2 | 20 | 0.25 | 0 | 11 | 3 | 4 | 2 |
| HOMER_Quiz_1043826 | 3 | 85% | 0.24 | 3 | 20 | 0.13 | 2 | 0 | 17 | 0 | 1 |
| HOMER_Quiz_1043827 | 1 | 60% | -0.04 | 1 | 20 | 0.24 | 12 | 0 | 0 | 3 | 5 |
| HOMER_Quiz_1043828 | 3 | 85% | 0.29 | 3 | 20 | 0.13 | 1 | 2 | 17 | | |
| HOMER_Quiz_1043854 | 2 | 40% | 0.02 | 1 | 20 | 0.24 | 9 | 8 | 0 | 3 | |
| HOMER_Quiz_1043829 | 1 | 70% | -0.14 | 1 | 20 | 0.21 | 14 | 2 | 2 | 1 | 1 |
| HOMER_Quiz_1043855 | 4 | 90% | 0.57 | 4 | 20 | 0.09 | 1 | 0 | 0 | 18 | 1 |
| HOMER_Quiz_1043830 | 4 | 75% | 0.22 | 4 | 20 | 0.19 | 4 | 0 | 0 | 15 | 1 |
| HOMER_Quiz_1043857 | 3 | 90% | -0.15 | 3 | 20 | 0.09 | 1 | 1 | 18 | | |
| HOMER_Quiz_1043875 | 4 | 60% | 0.44 | 4 | 20 | 0.24 | 5 | 0 | 3 | 12 | |
| HOMER_Quiz_1043858 | 5 | 55% | 0.44 | 5 | 20 | 0.25 | 1 | 1 | 7 | 0 | 11 |
| HOMER_Quiz_1043831 | 4 | 60% | 0.11 | 4 | 20 | 0.24 | 4 | 3 | 1 | 12 | |
| HOMER_Quiz_1043832 | 1 | 75% | 0.30 | 1 | 20 | 0.19 | 15 | 2 | 1 | 2 | |
| HOMER_Quiz_1043833 | 4 | 90% | -0.03 | 4 | 20 | 0.09 | 1 | 0 | 0 | 18 | 1 |
| HOMER_Quiz_1043876 | 5 | 10% | -0.57 | 4 | 20 | 0.09 | 0 | 1 | 6 | 11 | 2 |
| HOMER_Quiz_1043859 | 1 | 100% | 0.00 | 1 | 20 | 0.00 | 20 | | | | |
| HOMER_Quiz_1043834 | 3 | 80% | -0.02 | 3 | 20 | 0.16 | 1 | 0 | 16 | 3 | |
| HOMER_Quiz_1043835 | 4 | 50% | 0.27 | 4 | 20 | 0.25 | 3 | 1 | 2 | 10 | 4 |
| HOMER_Quiz_1043860 | 3 | 60% | 0.27 | 3 | 20 | 0.24 | 5 | 1 | 12 | 1 | 1 |
| HOMER_Quiz_1043861 | 2 | 80% | 0.25 | 2 | 20 | 0.16 | 1 | 16 | 2 | 0 | 1 |
| HOMER_Quiz_1043862 | 4 | 90% | 0.39 | 4 | 20 | 0.09 | 0 | 1 | 1 | 18 | |
| HOMER_Quiz_1043836 | 1 | 60% | 0.42 | 1 | 20 | 0.24 | 12 | 0 | 1 | 7 | |
| HOMER_Quiz_1043877 | 2 | 25% | 0.51 | 1 | 20 | 0.19 | 6 | 5 | 4 | 2 | 3 |
| HOMER_Quiz_1043837 | 2 | 90% | 0.60 | 2 | 20 | 0.09 | 0 | 18 | 0 | 2 | |
| HOMER_Quiz_1043863 | 1 | 50% | 0.36 | 1 | 20 | 0.25 | 10 | 2 | 3 | 5 | |
| HOMER_Quiz_1043878 | 1 | 60% | 0.29 | 1 | 20 | 0.24 | 12 | 2 | 3 | 1 | 2 |
| HOMER_Quiz_1043879 | 3 | 85% | 0.64 | 3 | 20 | 0.13 | 0 | 1 | 17 | 1 | 1 |
| HOMER_Quiz_1043838 | 1 | 70% | 0.41 | 1 | 20 | 0.21 | 14 | 0 | 2 | 4 | |
| HOMER_Quiz_1043856 | 5 | 70% | 0.08 | 5 | 20 | 0.21 | 6 | 0 | 0 | 0 | 14 |
| HOMER_Quiz_1043880 | 3 | 25% | -0.22 | 3 | 20 | 0.19 | 4 | 4 | 5 | 4 | 3 |
| HOMER_Quiz_1043881 | 1 | 35% | 0.29 | 3 | 20 | 0.23 | 7 | 0 | 8 | 0 | 5 |
| HOMER_Quiz_1043882 | 4 | 35% | 0.35 | 1 | 20 | 0.23 | 11 | 0 | 2 | 7 | |
| HOMER_Quiz_1043839 | 1 | 25% | 0.36 | 5 | 20 | 0.19 | 5 | 0 | 4 | 1 | 10 |
| HOMER_Quiz_1043864 | 2 | 55% | 0.44 | 2 | 20 | 0.25 | 3 | 11 | 2 | 0 | 4 |
| HOMER_Quiz_1043883 | 4 | 85% | 0.11 | 4 | 20 | 0.13 | 0 | 3 | 0 | 17 | |
| HOMER_Quiz_1043840 | 1 | 55% | 0.40 | 1 | 20 | 0.25 | 11 | 8 | 0 | 0 | 1 |
| HOMER_Quiz_1043841 | 4 | 50% | 0.18 | 4 | 20 | 0.25 | 7 | 1 | 2 | 10 | |
| HOMER_Quiz_1043842 | 2 | 75% | 0.51 | 2 | 20 | 0.19 | 1 | 15 | 0 | 0 | 4 |
| HOMER_Quiz_1043843 | 3 | 90% | 0.00 | 3 | 20 | 0.09 | 2 | 0 | 18 | | |
| HOMER_Quiz_1043865 | 5 | 80% | 0.02 | 5 | 20 | 0.16 | 0 | 1 | 0 | 3 | 16 |
| HOMER_Quiz_1043844 | 4 | 70% | 0.20 | 4 | 20 | 0.21 | 3 | 0 | 3 | 14 | |
| HOMER_Quiz_1043884 | 2 | 55% | 0.15 | 2 | 20 | 0.25 | 0 | 11 | 0 | 9 | |
| HOMER_Quiz_1043885 | 4 | 80% | 0.04 | 4 | 20 | 0.16 | 1 | 0 | 0 | 16 | 3 |
| HOMER_Quiz_1043866 | 3 | 35% | -0.20 | 1 | 20 | 0.23 | 10 | 1 | 7 | 2 | |
| HOMER_Quiz_1043845 | 1 | 80% | 0.04 | 1 | 20 | 0.16 | 16 | 3 | 1 | | |
| HOMER_Quiz_1043846 | 1 | 50% | 0.41 | 1 | 20 | 0.25 | 10 | 8 | 1 | 0 | 1 |
| HOMER_Quiz_1043847 | 2 | 60% | -0.07 | 2 | 20 | 0.24 | 7 | 12 | 1 | | |
| HOMER_Quiz_1043848 | 1 | 90% | 0.15 | 1 | 20 | 0.09 | 18 | 1 | 1 | | |
| HOMER_Quiz_1043867 | 4 | 35% | -0.08 | 1 | 20 | 0.23 | 7 | 5 | 1 | 7 | |

## Item Statistics

| Item ID | Key | Difficulty | PBIS | Mode Choice | Count | Variance | Option Count 1 | 2 | 3 | 4 | 5 |
|---------|-----|-----------|------|-------------|-------|----------|---|---|---|---|---|
| HOMER_Quiz_1043849 | 1 | 55% | -0.30 | 1 | 20 | 0.25 | 11 | 0 | 0 | 8 | 1 |
| HOMER_Quiz_1043886 | 5 | 30% | 0.45 | 4 | 20 | 0.21 | 5 | 2 | 0 | 7 | 6 |
| HOMER_Quiz_1043887 | 4 | 85% | -0.19 | 4 | 20 | 0.13 | 0 | 1 | 2 | 17 | |
| HOMER_Quiz_1043850 | 2 | 95% | 0.23 | 2 | 20 | 0.05 | 0 | 19 | 1 | | |
| HOMER_Quiz_1043888 | 4 | 20% | 0.27 | 3 | 20 | 0.16 | 2 | 6 | 8 | 4 | |
| HOMER_Quiz_1043851 | 2 | 70% | 0.16 | 2 | 20 | 0.21 | 2 | 14 | 0 | 4 | |
| HOMER_Quiz_1043852 | 3 | 90% | 0.57 | 3 | 20 | 0.09 | 2 | 0 | 18 | | |
| HOMER_Quiz_1043868 | 2 | 60% | -0.27 | 2 | 20 | 0.24 | 3 | 12 | 0 | 3 | 2 |
| HOMER_Quiz_1043869 | 5 | 95% | 0.23 | 5 | 20 | 0.05 | 0 | 0 | 0 | 1 | 19 |
| HOMER_Quiz_1043870 | 3 | 45% | 0.31 | 1 | 20 | 0.25 | 9 | 0 | 9 | 2 | |
| HOMER_Quiz_1043871 | 1 | 65% | 0.78 | 1 | 20 | 0.23 | 13 | 0 | 3 | 4 | |
| HOMER_Quiz_1043872 | 2 | 70% | -0.18 | 2 | 20 | 0.21 | 2 | 14 | 4 | | |
| HOMER_Quiz_1043873 | 4 | 85% | 0.29 | 4 | 20 | 0.13 | 1 | 1 | 1 | 17 | |
| HOMER_Quiz_1043892 | 2 | 40% | 0.51 | 4 | 20 | 0.24 | 0 | 8 | 3 | 9 | |
| HOMER_Quiz_1043874 | 4 | 10% | -0.09 | 2 | 20 | 0.09 | 4 | 9 | 4 | 2 | 1 |
| HOMER_Quiz_1043853 | 3 | 55% | 0.12 | 3 | 20 | 0.25 | 4 | 0 | 11 | 1 | 4 |

This report only display statistics for MULTICHOICE