

Table 1: Study material psychometric properties, Reading Semantics Skill all items

| Id | Item | a | b | p.a. | c.p.b |
|--------------------|-------------|----------|----------|-------------|--------------|
| 001 | C1a | 2.028 | -2.752 | 0.941 | 0.968 |
| 002 | C1b | 1.200 | -2.162 | 0.882 | 0.677 |
| 003 | C1c | 1.440 | -1.348 | 0.824 | 0.585 |
| 004 | C1d | 1.200 | -2.162 | 0.882 | 0.677 |
| 005 | C1e | 1.200 | -2.162 | 0.882 | 0.677 |
| 006 | C1f | 1.069 | -2.348 | 0.882 | 0.655 |
| 007 | C2a | 2.028 | -2.752 | 0.941 | 0.968 |
| 008 | C2b | 2.028 | -2.752 | 0.941 | 0.968 |
| 009 | C2c | 1.381 | -1.958 | 0.882 | 0.677 |
| 010 | C2d | 0.936 | -1.389 | 0.765 | 0.457 |
| 011 | C2e | 1.812 | -1.626 | 0.882 | 0.720 |
| 012 | C2f | 0.999 | -1.797 | 0.824 | 0.548 |
| 013 | C2g | 2.028 | -2.752 | 0.941 | 0.968 |
| 014 | C2h | 1.230 | -1.522 | 0.824 | 0.567 |
| 015 | C2i | 1.589 | -1.253 | 0.824 | 0.603 |
| 016 | C2j | 2.028 | -2.752 | 0.941 | 0.968 |
| 017 | C2k | 3.165 | -0.605 | 0.765 | 0.556 |
| 018 | C2l | 0.895 | -1.966 | 0.824 | 0.512 |
| 019 | C2m | 1.824 | -0.094 | 0.588 | 0.397 |
| 020 | C3a | 2.251 | -1.422 | 0.882 | 0.742 |
| 021 | C3b | 0.794 | -0.731 | 0.647 | 0.363 |
| 022 | C3c | 2.028 | -2.752 | 0.941 | 0.968 |
| 023 | C3d | 2.251 | -1.422 | 0.882 | 0.742 |
| 024 | C3e | 2.028 | -2.752 | 0.941 | 0.968 |
| 025 | C4a | 2.028 | -2.752 | 0.941 | 0.968 |
| 026 | C4b | 2.028 | -2.752 | 0.941 | 0.968 |
| 027 | C4c | 2.028 | -2.752 | 0.941 | 0.968 |
| 028 | C4d | 2.028 | -2.752 | 0.941 | 0.968 |
| 029 | C4e | 2.028 | -2.752 | 0.941 | 0.968 |
| 030 | C5a | 2.028 | -2.752 | 0.941 | 0.968 |
| 031 | C5b | 2.028 | -2.752 | 0.941 | 0.968 |
| 032 | C5c | 2.028 | -2.752 | 0.941 | 0.968 |
| 033 | C5d | 2.028 | -2.752 | 0.941 | 0.968 |
| 034 | C5e | 2.028 | -2.752 | 0.941 | 0.968 |
| 035 | C5f | 2.028 | -2.752 | 0.941 | 0.968 |
| 036 | C6a | 1.396 | -1.380 | 0.824 | 0.585 |
| 037 | C6b | 2.028 | -2.752 | 0.941 | 0.968 |
| 038 | C6c | 1.396 | -1.380 | 0.824 | 0.585 |
| 039 | C6d | 2.028 | -2.752 | 0.941 | 0.968 |
| Average | | 2.028 | -2.752 | 0.941 | 0.968 |
| Standard Deviation | | 0.482 | 0.735 | 0.082 | 0.200 |

Table 2: Study material psychometric properties, Writing Semantics Skill all items

| Id | Item | a | b | p.a. | c.p.b |
|--------------------|-------------|----------|----------|-------------|--------------|
| 001 | C1b | 2.368 | -2.789 | 0.969 | 0.897 |
| 002 | C1c | 2.368 | -2.789 | 0.969 | 0.897 |
| 003 | C1d | 2.368 | -2.789 | 0.969 | 0.897 |
| 004 | C1e | 2.368 | -2.789 | 0.969 | 0.897 |
| 005 | C1f | 2.368 | -2.789 | 0.969 | 0.897 |
| 006 | C1g | 2.368 | -2.789 | 0.969 | 0.897 |
| 007 | C2a | 1.644 | -2.151 | 0.938 | 0.837 |
| 008 | C2b | 0.769 | -2.546 | 0.906 | 0.644 |
| 009 | C2d | 1.644 | -2.151 | 0.938 | 0.837 |
| 010 | C2e | 0.604 | -3.141 | 0.906 | 0.631 |
| 011 | C3a | 0.830 | -0.048 | 0.719 | 0.670 |
| 012 | C3b | 0.667 | -0.941 | 0.781 | 0.762 |
| 013 | C3c | 0.828 | 0.512 | 0.656 | 0.479 |
| 014 | C3d | 0.828 | 0.512 | 0.656 | 0.479 |
| 015 | C4a | 1.282 | -0.681 | 0.963 | 0.867 |
| 016 | C4b | 1.906 | 0.014 | 0.889 | 0.787 |
| 017 | C4c | 1.906 | 0.014 | 0.889 | 0.787 |
| 018 | C4d | 1.909 | 0.540 | 0.815 | 0.797 |
| 019 | C4e | 1.557 | 0.985 | 0.741 | 0.751 |
| 020 | C4f | 1.210 | 1.163 | 0.704 | 0.689 |
| 021 | C5a | 0.932 | 0.034 | 0.958 | 0.863 |
| 022 | C5b | 0.932 | 0.034 | 0.958 | 0.863 |
| 023 | C5c | 1.340 | 1.187 | 0.792 | 0.845 |
| 024 | C5d | 0.932 | 0.034 | 0.958 | 0.863 |
| 025 | C5e | 0.932 | 0.034 | 0.958 | 0.863 |
| 026 | C5f | 0.626 | 2.242 | 0.583 | 0.461 |
| 027 | C5g | 1.340 | 1.187 | 0.792 | 0.845 |
| 028 | C6a | 1.195 | 2.251 | 0.933 | 0.958 |
| 029 | C6b | 1.195 | 2.251 | 0.933 | 0.958 |
| 030 | C6c | 1.511 | 2.485 | 0.867 | 0.901 |
| 031 | C6d | 1.195 | 2.251 | 0.933 | 0.958 |
| 032 | C6e | 1.195 | 2.251 | 0.933 | 0.958 |
| 033 | C6f | 1.511 | 2.485 | 0.867 | 0.901 |
| 034 | C6g | 1.799 | 2.702 | 0.800 | 0.859 |
| 035 | C6h | 1.511 | 2.485 | 0.867 | 0.901 |
| 036 | C6i | 1.511 | 2.485 | 0.867 | 0.901 |
| 037 | C6j | 1.511 | 2.485 | 0.867 | 0.901 |
| Average | | 1.340 | 0.034 | 0.906 | 0.863 |
| Standard Deviation | | 0.545 | 1.963 | 0.103 | 0.131 |

Table 3: Study material psychometric properties, Reading Templates Skill all items

| Id | Item | a | b | p.a. | c.p.b |
|--------------------|-------------|----------|----------|-------------|--------------|
| 001 | C1b | 1.684 | -2.316 | 0.941 | 0.705 |
| 002 | C1c | 0.564 | 0.676 | 0.588 | 0.570 |
| 003 | C1d | 0.817 | -0.610 | 0.765 | 0.656 |
| 004 | C1e | 0.415 | -2.764 | 0.824 | 0.312 |
| 005 | C1f | 0.599 | -2.740 | 0.882 | 0.470 |
| 006 | C1g | 1.975 | 2.429 | 0.353 | 0.622 |
| 007 | C2a | 2.499 | -1.177 | 0.882 | 0.777 |
| 008 | C2b | 0.576 | -1.098 | 0.765 | 0.431 |
| 009 | C2d | 0.666 | 0.274 | 0.647 | 0.398 |
| 010 | C2e | 1.660 | 1.781 | 0.533 | 0.760 |
| 011 | C3a | 0.788 | -0.651 | 0.867 | 0.757 |
| 012 | C3b | 1.660 | 1.781 | 0.533 | 0.760 |
| 013 | C3c | 1.660 | 1.781 | 0.533 | 0.760 |
| 014 | C3d | 0.788 | -0.651 | 0.867 | 0.757 |
| 015 | C4a | 1.660 | 1.781 | 0.533 | 0.760 |
| 016 | C4b | 1.660 | 1.781 | 0.533 | 0.760 |
| 017 | C4c | 0.788 | -0.651 | 0.867 | 0.757 |
| 018 | C4d | 1.660 | 1.781 | 0.533 | 0.760 |
| 019 | C4e | 1.055 | 2.096 | 0.636 | 0.673 |
| 020 | C4f | 0.766 | 0.842 | 0.909 | 0.780 |
| 021 | C5a | 1.745 | 2.724 | 0.455 | 0.735 |
| 022 | C5b | 0.766 | 0.842 | 0.909 | 0.780 |
| 023 | C5c | 1.055 | 2.096 | 0.636 | 0.673 |
| 024 | C5d | 0.766 | 0.842 | 0.909 | 0.780 |
| Average | | 0.936 | 0.842 | 0.706 | 0.757 |
| Standard Deviation | | 0.555 | 1.628 | 0.175 | 0.135 |

Table 4: Study material psychometric properties, Writing Templates Skill all items

| Id | Item | a | b | p.a. | c.p.b |
|--------------------|-------------|----------|----------|-------------|--------------|
| 001 | C2a | 1.080 | -1.048 | 0.719 | 0.719 |
| 002 | C2b | 1.027 | -0.047 | 0.531 | 0.531 |
| 003 | C3a | 1.603 | -0.034 | 0.680 | 0.680 |
| 004 | C3b | 1.577 | 0.369 | 0.560 | 0.560 |
| 005 | C3c | 1.770 | 0.223 | 0.600 | 0.600 |
| 006 | C5a | 0.860 | 1.267 | 0.769 | 0.769 |
| 007 | C5b | 1.407 | 1.523 | 0.538 | 0.538 |
| 008 | C6a | 0.652 | 2.060 | 0.667 | 0.667 |
| 009 | C6b | 0.918 | 2.140 | 0.500 | 0.500 |
| Average | | 1.080 | 0.369 | 0.600 | 0.600 |
| Standard Deviation | | 0.367 | 1.022 | 0.089 | 0.089 |

Table 5: Assessment psychometric properties, Reading Semantics Skill all items

| Id | Item | a | b | p.a. | c.p.b |
|--------------------|-------------|----------|----------|-------------|--------------|
| 001 | 1 | 0.837 | -0.589 | 0.600 | 0.247 |
| 002 | 2 | 2.220 | -0.260 | 0.567 | 0.511 |
| 003 | 3a | 2.773 | 0.599 | 0.300 | 0.613 |
| 004 | 3b | 1.476 | 1.766 | 0.133 | 0.450 |
| 005 | 3c | 3.031 | 1.559 | 0.100 | 0.631 |
| 006 | 4a | 1.349 | 0.833 | 0.300 | 0.444 |
| 007 | 4b | 2.624 | 2.530 | 0.033 | 0.596 |
| 008 | 4c | 3.477 | 1.839 | 0.067 | 0.694 |
| 009 | 5b | 1.495 | 2.457 | 0.067 | 0.485 |
| 010 | 6b | 1.345 | 1.862 | 0.133 | 0.450 |
| Average | | 1.858 | 1.663 | 0.133 | 0.498 |
| Standard Deviation | | 0.835 | 1.022 | 0.197 | 0.122 |

Table 6: Assessment psychometric properties, Writing Semantics Skill all items

| Id | Item | a | b | p.a. | c.p.b |
|--------------------|-------------|----------|----------|-------------|--------------|
| 001 | 5a | 2.840 | -0.326 | 0.600 | 0.584 |
| 002 | 6a | 3.344 | 0.090 | 0.467 | 0.679 |
| 003 | 6c | 2.486 | 1.241 | 0.167 | 0.481 |
| 004 | 7a | 1.436 | 2.438 | 0.067 | 0.303 |
| Average | | 2.663 | 0.666 | 0.317 | 0.533 |
| Standard Deviation | | 0.700 | 1.076 | 0.216 | 0.139 |

Table 7: Assessment psychometric properties, Reading Templates Skill all items

| Id | Item | a | b | p.a. | c.p.b |
|--------------------|-------------|----------|----------|-------------|--------------|
| 001 | 5a | 2.522 | -0.655 | 0.700 | 0.463 |
| 002 | 6a | 2.506 | 0.540 | 0.333 | 0.463 |
| Average | | 2.514 | -0.058 | 0.517 | 0.463 |
| Standard Deviation | | 0.008 | 0.598 | 0.184 | 0.000 |

Table 8: Assessment psychometric properties. Writing Templates Skill all items

| Id | Item | a | b | p.a. | c.p.b |
|--------------------|-------------|----------|----------|-------------|--------------|
| 001 | 6d | 2.262 | -0.441 | 0.633 | 0.420 |
| 002 | 7b | 2.326 | 0.929 | 0.233 | 0.420 |
| Average | | 2.294 | 0.244 | 0.433 | 0.420 |
| Standard Deviation | | 0.032 | 0.685 | 0.200 | 0.000 |