

# Test Item Analysis - Teacher Level

Teacher: William Darden, Greenville Weston Hi

Test: Heredity(5a -5d)Common Assessment Weston Q7 4-11-1

Testing Date: 04/16/2014

| #  | Score | Schl | Objective   |
|----|-------|------|---|
| 1  | 71%   | 79   | BI.5.a.2 : Processes of replication, transcription, and translation<br>A-4% B-13% <b>C-71%</b> D-9% Other-2%<br>  |
| 2  | 78%   | 62   | BI.5.a.2 : Processes of replication, transcription, and translation<br>F-7% G-13% <b>H-78%</b> J-2%<br>   |
| 3  | 78%   | 77   | BI.5.a : Analyze and explain the molecular basis of heredity and the inheritance of traits to successive generations by using the Central Dogma of Molecular Biology. (DOK 3)<br><b>A-78%</b> B-9% C-9% D-4%<br>  |
| 4  | 78%   | 76   | BI.5.a : Analyze and explain the molecular basis of heredity and the inheritance of traits to successive generations by using the Central Dogma of Molecular Biology. (DOK 3)<br>F-7% <b>G-78%</b> H-11% J-4%<br>                                       |
| 5  | 60%   | 54   | BI.5.a : Analyze and explain the molecular basis of heredity and the inheritance of traits to successive generations by using the Central Dogma of Molecular Biology. (DOK 3)<br>A-27% B-7% <b>C-60%</b> D-7%<br>                                       |
| 6  | 29%   | 33   | BI.5.a : Analyze and explain the molecular basis of heredity and the inheritance of traits to successive generations by using the Central Dogma of Molecular Biology. (DOK 3)<br>F-47% <b>G-29%</b> H-16% J-9%<br>                                      |
| 7  | 33%   | 42   | BI.5.a : Analyze and explain the molecular basis of heredity and the inheritance of traits to successive generations by using the Central Dogma of Molecular Biology. (DOK 3)<br>A-7% B-60% <b>C-33%</b><br>  |
| 8  | 89%   | 93   | BI.5.a : Analyze and explain the molecular basis of heredity and the inheritance of traits to successive generations by using the Central Dogma of Molecular Biology. (DOK 3)<br>F-7% G-4% <b>J-89%</b><br>   |
| 9  | 78%   | 79   | BI.5.a.3 : Messenger RNA codon charts<br>A-7% B-9% <b>C-78%</b> D-4% Other-2%<br>   |
| 10 | 67%   | 67   | BI.5.a.2 : Processes of replication, transcription, and translation<br>F-13% <b>G-67%</b> H-9% J-11%<br>  |
| 11 | 69%   | 76   | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent)<br>A-7% B-11% <b>C-69%</b> D-13%<br> |
| 12 | 31%   | 24   | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent)<br>                                  |

|    |     |    |  |  |              |              |              |              |                 |
|----|-----|----|--|--|--------------|--------------|--------------|--------------|-----------------|
|    |     |    |  |  | <b>F-31%</b> | <b>G-44%</b> | <b>H-20%</b> | <b>J-4%</b>  |                 |
| 13 | 7%  | 8  | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>A-16%</b> | <b>B-33%</b> | <b>C-7%</b>  | <b>D-40%</b> | <b>Other-4%</b> |
| 14 | 47% | 51 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>F-2%</b>  | <b>G-47%</b> | <b>H-22%</b> | <b>J-29%</b> |                 |
| 15 | 13% | 13 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>A-4%</b>  | <b>B-13%</b> | <b>C-29%</b> | <b>D-51%</b> | <b>Other-2%</b> |
| 16 | 49% | 54 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>F-9%</b>  | <b>G-36%</b> | <b>H-49%</b> | <b>J-4%</b>  | <b>Other-2%</b> |
| 17 | 53% | 68 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>A-29%</b> | <b>B-13%</b> | <b>C-53%</b> | <b>D-4%</b>  |                 |
| 18 | 47% | 49 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>F-47%</b> | <b>G-11%</b> | <b>H-18%</b> | <b>J-24%</b> |                 |
| 19 | 29% | 25 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>A-49%</b> | <b>B-20%</b> | <b>C-29%</b> | <b>D-2%</b>  |                 |
| 20 | 38% | 49 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>F-38%</b> | <b>G-20%</b> | <b>H-20%</b> | <b>J-22%</b> |                 |
| 21 | 47% | 50 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>A-31%</b> | <b>B-16%</b> | <b>C-47%</b> | <b>D-7%</b>  |                 |
| 22 | 33% | 35 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |
|    |     |    |  |  | <b>F-33%</b> | <b>G-29%</b> | <b>H-24%</b> | <b>J-13%</b> |                 |
| 23 | 22% | 28 | BI.5.b : Utilize Mendel's laws to evaluate the results of monohybrid Punnett squares involving complete dominance, incomplete dominance, codominance, sex linked, and multiple alleles (including outcome percent) |  |              |              |              |              |                 |

|    |     |    |  |       |       |       |       |          |  |
|----|-----|----|--|-------|-------|-------|-------|----------|--|
|    |     |    |  | A-27% | B-31% | C-13% | D-22% | Other-7% |  |
| 24 | 20% | 21 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | F-38% | G-29% | H-11% | J-20% | Other-2% |  |
| 25 | 44% | 30 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | A-27% | B-20% | C-44% | D-7%  | Other-2% |  |
| 26 | 44% | 40 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | F-38% | G-7%  | H-11% | J-44% |          |  |
| 27 | 78% | 79 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | A-78% | B-11% | C-2%  | D-7%  | Other-2% |  |
| 28 | 38% | 49 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | F-31% | G-38% | H-9%  | J-20% | Other-2% |  |
| 29 | 49% | 49 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | A-13% | B-33% | C-49% | D-2%  | Other-2% |  |
| 30 | 42% | 40 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | F-42% | G-22% | H-16% | J-18% | Other-2% |  |
| 31 | 60% | 62 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | A-13% | B-60% | C-27% |       |          |  |
| 32 | 36% | 32 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | F-4%  | G-36% | H-33% | J-24% | Other-2% |  |
| 33 | 47% | 46 | BI.5.c : Examine inheritance patterns using current technology (e.g., pedigrees, karyotypes, gel electrophoresis). (DOK 2) |       |       |       |       |          |  |
|    |     |    |  | A-13% | B-22% | C-16% | D-47% | Other-2% |  |
| 34 | 29% | 38 | BI.5.d : Discuss the characteristics and implications of both chromosomal and gene mutations. (DOK 2)                      |       |       |       |       |          |  |
|    |     |    |  | F-18% | G-29% | H-27% | J-24% | Other-2% |  |
| 35 | 38% | 43 | BI.5.d : Discuss the characteristics and implications of both chromosomal and gene mutations. (DOK 2)                      |       |       |       |       |          |  |
|    |     |    |  | A-13% | B-24% | C-20% | D-38% | Other-4% |  |
| 36 | 62% | 59 | BI.5.d : Discuss the characteristics and implications of both chromosomal and gene mutations. (DOK 2)                      |       |       |       |       |          |  |
|    |     |    |  | F-62% | G-22% | H-11% | J-4%  |          |  |

|  |     |    |  |
|--|-----|----|--|
| 37   | 29% | 36 | BI.5.d. : Discuss the characteristics and implications of both chromosomal and gene mutations. (DOK 2) |
| <div><div></div><div><div>A-29%</div><div>B-20%</div><div>C-36%</div><div>D-11%</div><div>Other-4%</div></div></div> |     |    |  |
| 38   | 27% | 40 | BI.5.d. : Discuss the characteristics and implications of both chromosomal and gene mutations. (DOK 2) |
| <div><div></div><div><div>F-13%</div><div>G-20%</div><div>H-36%</div><div>J-27%</div><div>Other-4%</div></div></div> |     |    |  |
| 39   | 29% | 30 | BI.5.d. : Discuss the characteristics and implications of both chromosomal and gene mutations. (DOK 2) |
| <div><div></div><div><div>A-7%</div><div>B-29%</div><div>C-29%</div><div>D-31%</div><div>Other-4%</div></div></div>  |     |    |  |
| 40   | 40% | 38 | BI.5.d. : Discuss the characteristics and implications of both chromosomal and gene mutations. (DOK 2) |
| <div><div></div><div><div>F-22%</div><div>G-20%</div><div>H-16%</div><div>J-40%</div><div>Other-2%</div></div></div> |     |    |  |