**Tentamen Statistiek MBW/KW (deel 1, eerste kans) Antwoordmodel**

**Naam: Reg. Nr.:**

**1a: 4pt**

|  |  |  |
| --- | --- | --- |
| **1b**  **3pt**  **3+2pt** |  | **6** |
|  | **2** |
| **1c 6** | **Slaagkans =** | **0,60902** |
| **1d 6** | **Kans =** | **0,02311 of 0,03465** |
| **1e 6** | **Kans =** | **0,99115 of 0,97710** |

**Opgave 2a,b,c,d**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **2a 6** | **aantal min**  **2b 6** | **Kans**  **2c 6** | **2d 6** |
| **0** | **0,2231** | **60** | **0** | **13,386** |
| **1** | **0,3347** | **38** | **0,00007237** | **12,7186** |
| **2** | **0,2510** | **16** | **0,1289** | **4,016** |
| **3** | **0,1255** | **0** | **0,6355** | **0** |
| **≥4** | **0,0656** | **0** | **0,9192** | **0** |
| **Totaal =** | | | | **30,1206** |

**2e**  **2pt**

|  |  |  |
| --- | --- | --- |
| **2f 4** | **Kans =** | **0,2492** |

|  |  |  |
| --- | --- | --- |
| **3a 5** | **Kans =** | **0,55** |
| **3b 5** | **Kans =** | **0,5467** |

**3c 6**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bloedgroep** | **Kans hierop**  **1** | **Kan ontvangen van** | **Kans hierop**  **2** | **Kans totaal**  **1 en 2** |
| **O** | 0,45 | O | 0,45 | 0,2025 |
| **A** | 0,43 | O, A | 0,88 | 0,3784 |
| **B** | 0,09 | O, B | 0,54 | 0,0486 |
| **AB** | 0,03 | O, A, B, AB | 1,00 | 0,0300 |
| **Som** | | | | 0,6595 |

|  |  |  |
| --- | --- | --- |
| **3d 6** | **Kans =** | **3,0697 10-5** |

|  |  |  |
| --- | --- | --- |
| **4a**  **2**  **2**  **1**  **1** | a = | 0,5 |
| b = | 5,5 |
| max = | 0,2 |
| min = | 0 |
| **4b 2**  **4** |  | 3 |
|  | 1,4142 |
| **4c**  **3**  **3** |  | 3 |
|  | 1,4434 |

**4d** **2** Uitleg uitgesmeerd