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| **LEARNER’S NAME:**  ***LEERDERNAAM:*** |  | | | | |  |
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| **GRADE 11**  ***GRAAD 11*** |  | |  | | | |
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| **NATIONAL/*NASIONALE***  **SENIOR**  **CERTIFICATE/*SERTIFIKAAT*** | | | | | | |
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|  | | **GRADE 11/*GRAAD 11*** | |  | | |
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| **NOVEMBER 2019** | | | | | | |
|  | | | | | | |
| **MATHEMATICS P2/*WISKUNDE V2***  **SPECIAL ANSWER BOOK/*SPESIALE ANTWOORDEBOEK*** | | | | | | |
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| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Marker/*Merker*** | | | | | **Moderator’s Initials / *Moderator se paraaf*** | | | | | | | | | | | | | | | | | | **Question**  ***Vraag*** | **Mark**  ***Punt*** | | | **Initial**  **Parafeer** | **Marks**  ***Punte*** | | | **SM** | **Marks**  ***Punte*** | | | **DM** | **Marks**  ***Punte*** | | | **PM** | **Marks**  ***Punte*** | | | **NM** | | **1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **3** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **4** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **5** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **6** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **7** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **8** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **9** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **10** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **11** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **TOTAL**  ***TOTAAL*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | |
|  | This special answer book consists of 22 pages./  *Hierdie spesiale antwoordeboek bestaan uit 22 bladsye.* | | | |  | |

**QUESTION 1/*VRAAG 1***

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| 440 ; 520 ; 480 ; 560 ; 615 ; 550 ; 620 ; 680 ; 540 ; 490 | | |
| 1.1 |  | (2) |
|  |
| 1.2 |  | (1) |
|  |
| 1.3 |  | (5) |
| 1.4 |  | (2) |
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| 1.5 |  | (3) |
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|  |
|  | **[13]** |

**QUESTION 2/*VRAAG 2***

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| 2.1 | |  |  |  | | --- | --- | --- | | **Wind Speed (km/hr)**  ***Windsnelheid***  ***(km/h)*** | **Frequency**  ***Frekwensie*** | **Cumulative Frequency**  ***Kumulatiewe Frekwensie*** | | 10 < *x* 12 | 1 | 1 | | 12 < *x* 14 | 2 | 3 | | 14 < *x* 16 |  | 6 | | 16 < *x* 18 | 4 | 10 | | 18 < *x* 20 | 7 |  | | 20 < *x* 22 | 7 | 24 | | 22 < *x* 24 | 4 | 28 | | 24 < *x* 26 |  | 30 | | 26 < *x* 28 | 1 |  | | | (2) |
| 2.2 |  | | (3) |
| 2.3.1 | |  | (2) |
|  |
| 2.3.2 | |  | (2) |
|  |
|  | | | **[9]** |

**QUESTION 3/*VRAAG 3***

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| 3.1 |  | (2) |
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| 3.2 |  | (2) |
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| 3.3 |  | (2) |
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| 3.4 |  | (1) |
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| 3.5 |  | (3) |
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| 3.6 |  | (2) |
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| 3.7 |  | (5) |
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|  |  | **[17]** |

**QUESTION 4/*VRAAG 4***

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| 4.1 |  | (4) |
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| 4.2 |  | (2) |
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| 4.3 |  | (2) |
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| 4.4 |  | (3) |
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|  |
| 4.5 |  | (2) |
|  | | **[13]** |

**QUESTION 5/*VRAAG 5***

|  |  |  |
| --- | --- | --- |
| 5.1 |  |  |
| 5.1.1 |  | (3) |
|  |
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| 5.1.2 |  | (2) |
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| 5.2.1 |  | (5) |
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| 5.2.2 |  | (2) |
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| 5.3 |  | (4) |
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| 5.4 |  | (6) |
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|  | | **[22]** |

**QUESTION 6/*VRAAG 6***

|  |  |  |
| --- | --- | --- |
| 6.1 |  | (6) |
| 6.2.1 |  | (1) |
| 6.2.2 |  | (2) |
|  |
| 6.2.3 |  | (2) |
|  |
|  |  |  |
| 6.3 |  | (2) |
|  |
|  | | **[13]** |

**QUESTION 7/*VRAAG 7***

|  |  |  |
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| 7.1 |  |  |
| 7.1.1 |  | (1) |
|  |
| 7.1.2 |  | (5) |
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| 7.2 |  |  |
| 7.2.1 |  | (3) |
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| 7.2.2 |  | (4) |
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|  | | **[13]** |

**QUESTION 8/*VRAAG 8***

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| 8.1  C  B  A  D  O  E | | |
| 8.1.1 |  | (3) |
|  |
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|  |
| 8.1.2(a) |  | (2) |
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|  |
| 8.1.2(b) |  | (2) |
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| 8.2 |  | |
| 8.2.1(a) |  | (2)    (2) |
| 8.2.1(b) |  | (2) |
| 8.2.1(c) |  | (2) |
| 8.2.2 |  | (3) |
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| 8.3 |  |  |
| 8.3.1 |  | (4) |
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|  |
| 8.3.2 |  | (2) |
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|  |
|  | | **[22]** |

**QUESTION 9/*VRAAG 9***

|  |  |  |
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| P  T  R  Q | | |
| 9.1. |  | (5) |
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| 9.2 | A  B  C  E  D  F  1  1  1  1  2  2  2  2  4  3 |  |
| 9.2.1 |  | (2) |
|  |
| 9.2.2 |  | (2)  (3) |
|  |
| 9.3 |  | (3) |
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| --- | --- | --- |
| 9.4 | C  B  A  E  F  D  1  1  1  1  2  2  2  3  3  2  3 |  |
| 9.4.1 |  | (3) |
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| 9.4.2 |  | (3) |
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|  | | **[18]** |

**QUESTION 10/*VRAAG 10***

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| 10.1 |  | (4) |
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| 10.2 |  | (2)    (3) |
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|  | | **[6]** |

**QUESTION 11/*VRAAG 11***

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| 11 |  | (4) |
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