* **ergunta 1**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A filter that passes low frequencies is \_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 2**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Assume that an image f(x, y) is sampled so that the result has M rows and N columns.If the values of the coordinates at the origin are (x, y) = (0, 0), then the notation (0, 1) is used to signify: |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 3**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Color model is also named as (another name): |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 4**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In a dark image, the components of histogram are concentrated on which side of the grey scale? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 5**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In linear spatial filtering, what is the pixel of the image under mask corresponding to the mask coefficient w (1, -1), assuming a 3\*3 mask? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 6**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In neighborhood operations working is being done with the value of image pixel in the neighborhood and the corresponding value of a subimage that has same dimension as neighborhood. The subimage is referred as \_\_\_\_\_\_\_\_\_ |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 7**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The digitization process i.e. the digital image has M rows and N columns, requires decisions about values for M, N, and for the number, L, of gray levels allowed for each pixel. The value M and N have to be: |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 8**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The mask shown in the figure below belongs to which type of filter?  | 1 | 1 | 1 | \* (1/9)  | 1 | 1 | 1 |  | 1 | 1 | 1 | |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 9**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The mask shown in the figure below belongs to which type of filter?  | 1 | 2 | 1 | \* (1/16)  | 2 | 4 | 2 |  | 1 | 2 | 1 | |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 10**

0 em 0 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The objective of sharpening spatial filters is/are to \_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 11**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The response for linear spatial filtering is given by the relationship \_\_\_\_\_\_\_\_\_\_ |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 12**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What are the basic quantities that are used to describe the quality of a chromatic light source? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 13**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What are the characteristics that are taken together in chromaticity? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 14**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What are the characteristics that are used to distinguish one color from the other? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 15**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What do you mean by the term pixel depth? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 16**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What do you mean by tri-stimulus values? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 17**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What is accepting or rejecting certain frequency components called as? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 18**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What is required to generate an M X N linear spatial filter? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 19**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | What is the process of moving a filter mask over the image and computing the sum of products at each location called as? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 20**

0,05 em 0,05 pontos

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following color models are used for color printing? |  |  |  |
| |  | | --- | |  | |  |  |  |

* **Pergunta 21**

0,05 em 0,05 pontos

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | | | | |
|  | Which of the following is the primary objective of sharpening of an image? | |  |  |  |
|  |  |  |  |  |