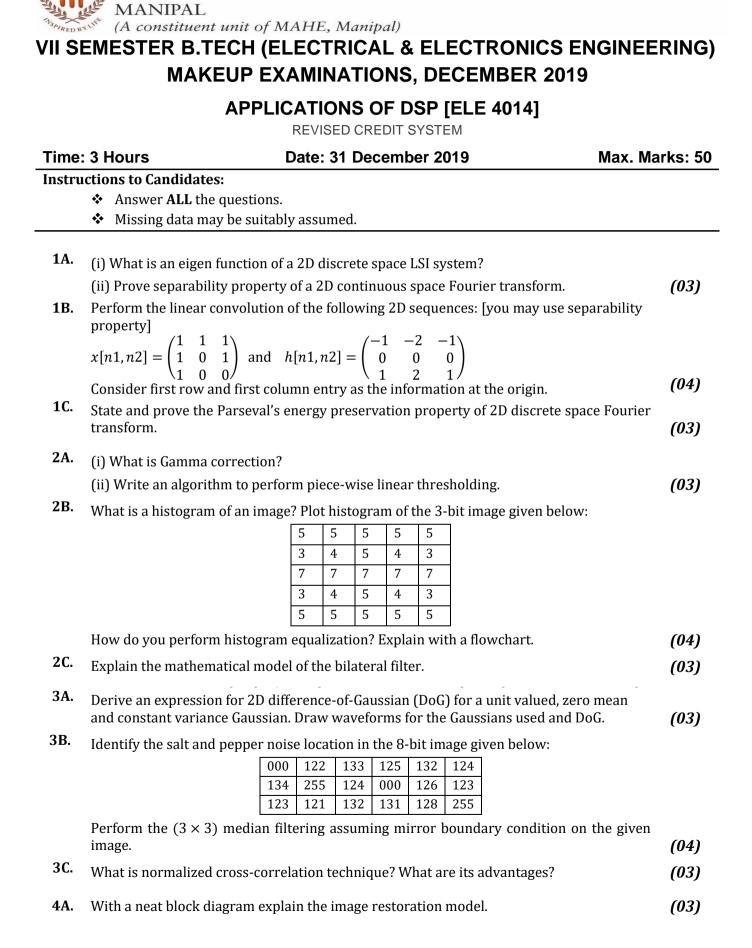
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4B.	Explain 2D Butterworth high-pass filter.	(02)
4C.	Write short notes on geometric transformations of an image such as translation, scaling, and rotation. Give a unified mathematical representation of all the operations aforementioned.	(05)
5A.	Explain the following morphological operations: (i) Dilation (ii) Erosion (iii) Opening (iv) Closing.	(04)
5B.	Derive expressions for 1D-DCT using DFTs. Use the same to write expression for 2D-DCT. List the uses of DCTs.	(04)
5C.	Write short notes on: (i) Bit plane slicing (ii) Compass operator with Prewitt kernel	(04)