*These are edits/notes to some of the original solutions submitted earlier.*

1. (b) Possible doubt point on the solution: does changing the amplitude of an input function render the given equation invalid for the input function? Answer is no, because the function is linear and thus a change in amplitude will give rise to a proportional change in output.
2. (c) The convolution result of an impulse signal and a signal gives you the delta function for that impulse signal, like how convolving an image patch with a change in intensity by a kernel will give you the edge(s) in that patch.
3. (b) Stereovision is mainly used for getting depth data from two images. However, camera calibration is still required before stereovision to correct for lens distortion. This is because the latter will cause the disparity found between two images to be inaccurate and by extension the depth data.

Once again, all the best to your examinations!