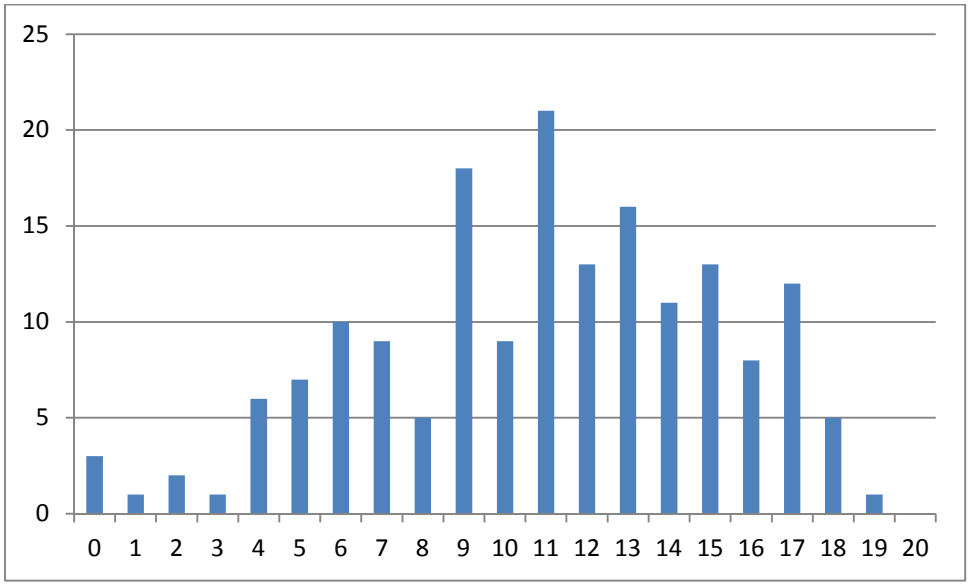
COMP27112: Computer Graphics and Image Processing, Section C

Almost all of the candidates (172 out of 179) answered question 3, possibly because it was closely related to the lab work.

It is worth noting that several candidates had extremely poor handwriting, this made it very difficult to mark their scripts.

Question 3

The mark distribution is shown below, the mean was 54.6 ± 21.3%. It is disappointing is that almost ¼ of the class scored less than 40% on this question. Some simple bookwork was examined, whilst the majority of students were able to answer this sensibly, there were some who were unable to recall simple definitions. The question then asked students to suggest a solution to an image processing problem, this required thinking about what algorithm would be most suitable (a big hint is given by the subject of the question) then be aware of the likely outputs of the algorithm and what processing should be done thereafter to gain a correct result. Students who attempted this mostly gave sensible answers. The final part of the question asked how the customers for this algorithm should be convinced of its correctness, some correct answers were given (evaluate it using a large set of test data), and some farcical answers (bribe them).



Question 4

Seven students attempted this question which was concerned with colour representation and designing an image processing system to recognise an event based on colour data. The mean score was 37.1 ± 24.3%. Two candidates scored very well, three just passed and two scored very badly. As in question 3, the students were asked about material that had been presented in lectures then to suggest a solution to an image processing problem. The students who performed badly made no

attempt at the second part and performed badly in the first. Students who attempted the second part generally made sensible suggestions and score reasonably well.