

**0172-045/545 – Level 3 Advanced
Technical Extended Diploma in
Animal Management (1080) -
Science**

March 2022

Chief Examiner Report

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Introduction

This document has been prepared by the Chief Examiner, it is designed to be used as a feedback tool for centres to use in order to enhance teaching and preparation for assessment. It is advised that this document be referred to when preparing to teach and then again when candidates are preparing to sit examinations for City & Guilds Technical qualifications.

This report provides general commentary on candidate performance and highlights common themes in relation to the technical aspects explored within the assessment, giving areas of strengths and weakness demonstrated by the cohort of candidates who sat the **March 2022** examination series. It will explain aspects which caused difficulty and potentially why the difficulties arose, whether it was caused by a lack of knowledge, incorrect examination technique or responses that failed to demonstrate the required depth of understanding.

The document provides commentary on the following assessment.

0172-045/545 – Level 3 Advanced Technical Extended Diploma in Animal Management (1080) - Science – Theory Exam.

Theory Exam – March 2022

Grade Boundaries and distribution

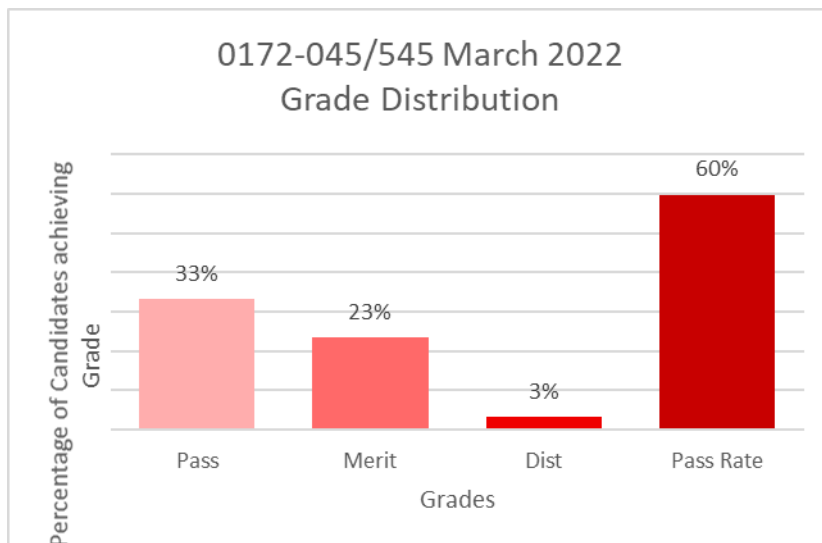
Assessment: **0172-045/545**

Series: **March 2022**

Below identifies the final grade boundaries for this assessment, as agreed by the awarding panel:

Total marks available	60
Pass mark	24
Merit mark	32
Distinction mark	41

The graph below shows the approximate distribution of grades and pass rates for this assessment:



Chief Examiner Commentary

General Comments on Candidate Performance

Assessment component: 0172-045/545

Series 1 (March)

Candidate performance was varied this series. Generally, good performance was observed in the questions where recall was required. However, some candidates missed opportunities to gain marks in AO2 questions due to the lack of detailed knowledge and understanding.

Candidates' strengths were shown in **Unit 315 Animal Nursing** for questions relating to common veterinary conditions. Another area of strength was observed in **Unit 321 Cell Biology and Genetics** specifically around structure and function of biological cells, and structure, function, and replication of DNA.

A specific area of weakness related to the understanding and use of technical terminology. This was evident where candidates were unable to recognise and/or define terms. Inconsistent and/or inaccurate use of technical terminology within the extended response question was also evident. Another area where a number of candidates lost opportunities were related to the period table and the principles of good experimental design. Below are the details of some topics with AO1 and AO2 questions that showed low performance.

- **The principles of Mendelian inheritance for predicting inheritance** showing 45% of candidates scoring 0 marks
- **Key features of equilibrium process using the principles of good experimental design** with 89% of candidates scoring 0-1 mark and 3% achieving the full marks
- **Veterinary terminology** with 92% of candidates scoring 0 marks

Extended response Question (ERQ)

The extended response question required candidates to focus on the effect of a specified disease on tissues within the body and the potential treatment options.

Many candidates were able to achieve Band 1, providing a range of considerations with differing level of depth seen across the breadth provided. Band 1 candidates tended to list symptoms, treatments and/or legislation and did not demonstrate application to the scenario given.

Many candidates struggled to gain higher than mid middle band due to the discussion lacking relevant examples and valid links to the topic. It was evident that some candidates were not confident in their answers, and some provided irrelevant information. Those candidates that achieved Band 3 marks were able to provide a wide range of considerations showing breadth across the indicative content and more consistent depth in explanations, but there were not many who achieved marks in this band.

Candidate achievement for the ERQ across the three bands was as follows.

Band 1: 50% accessed marks within this band

Band 2: 36% accessed marks within this band

Band 3: 14% accessed marks within this band.

Centres are advised to help candidates develop their use and understanding of technical terminology across the qualification.

Candidates are also strongly advised to practice examination techniques when preparing for this exam to fully understand the requirements of the question before attempting to answer, particularly those that require candidates to demonstrate reasoning. Explain type of questions require

candidates to demonstrate reasons and justifications to support the statements or cause and effect.

Past papers and marking schemes are available on the City and Guilds website which should be used for exam practice.

City & Guilds also offers a technical exam guide to support the work on the exam technique.

All documents are available to download from [Technicals in Animal Care Management and Equine Care Management qualifications and training courses | City & Guilds \(cityandguilds.com\)](https://www.cityandguilds.com/qualifications/technical-qualifications)

Past papers and marking schemes: Documents – Level 3 – Assessment materials – Past Papers tabs

Exam guide: Documents – Level 3 – Assessment materials