1145-520 Level 2 Engineering – Theory exam

Examiner Report

Contents

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 2020** examination series. It will explain aspects which caused difficulty and potentially why the difficulties arose, whether it was caused by a lack of knowledge, poor examination technique or responses that failed to demonstrate the required depth of understanding.

The document provides commentary on the following assessment;

1145-520 – Level 2 Engineering – Theory exam (1)

Theory Exam – March 2020
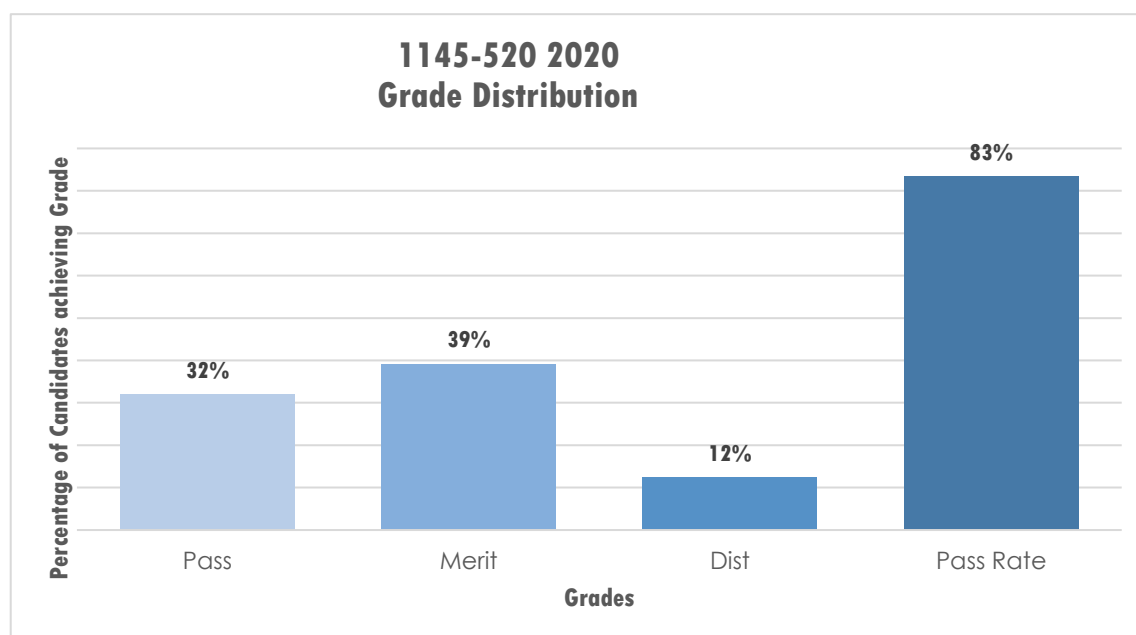
Grade Boundaries and distribution

Assessment: **1145-520**
Series: **March 2020**

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

Total marks available	
Pass mark	21
Merit mark	30
Distinction mark	40

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

**1145-520 2020
Grade Distribution**

- Pass: 32%
- Merit: 39%
- Dist: 12%
- Pass Rate: 83%

(Y-axis: Percentage of Candidates achieving Grade; X-axis: Grades)

Chief Examiner Commentary

Assessment component: 1145-520 Theory Exam

Series March 2020

The paper was comparable with the previous in terms of questions assessing knowledge recall, understanding and extended responses. The pass rate of 83% for this paper was also very similar to the pass rate for March 19 of 87%.

Overall there was a mixed responses to this paper. Some areas of the specification were answered very well, such as health and safety, sources of information, taps and dies, and engineering drawings. However, other areas were answered less well, such as terminating wiring, material forms of supply and scientific definitions.

Knowledge recall questions (A01) were generally better answered than questions that required additional depth of knowledge and/or understanding (A02). In many instances, candidates were able to give a few basic points in response to AO2 questions, but these responses often lacked the depth of understanding needed to achieve the higher marks. Maths questions were generally not answered well.

There was an error in a diagram for question 11a of the paper. This may have caused some candidates confusion as to how to answer the question, but was taken into consideration at the marking stage so no candidates were disadvantaged.

The extended response question (ERQ) produced a good spread of responses and acted as the main differentiator for the paper. The majority of candidates achieved marks in the middle band, producing mainly descriptive responses but with some additional discussion and explanation shown. Most candidates would have benefitted from considering the relative impact of different considerations and the impact beyond the operations of the company.

Candidates should be encouraged to explain and justify their answers where possible. Many candidates know the answers to the questions, but miss marks due to a lack of explanation or justification in their answers.