JOHN EDMONDSON HIGH SCHOOL
Assessment Notification

Faculty: Science  Course: Chemistry Year:12

Assessment Task: Practical and Problem Solving Task

Assessment Weighting: 25%  Due: Term 3 Week 3  Date: 6/8/2019

Task Type: Hand in Task  ☐  In Class Task  ☑  Practical Task  ☑

Outcomes assessed (NESA)

CH12-1 develops and evaluates questions and hypotheses for scientific investigation
CH12-2 designs and evaluates investigations in order to obtain primary and secondary data and information
CH12-3 conducts investigations to collect valid and reliable primary and secondary data and information
CH12-4 selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media
CH12-5 analyses and evaluates primary and secondary data and information
CH12-6 solves scientific problems using primary and secondary data, critical thinking skills and scientific processes
CH12-7 communicates scientific understanding using suitable language and terminology for a specific audience or purpose
CH12-13 describes, explains and quantitatively analyses acids and bases using contemporary models
CH12-14 analyses the structure of, and predicts reactions involving, carbon compound

Task Description/Overview

This Practical Examination consists of THREE components.

• Performing a Practical Task and questions relevant to this task.
• Identification of Models of Organic Compounds
• Problem Solving and Communication questions

Detailed Assessment Task Description

Your task involves:

1. Practical Component – Identifying an unknown cation and anion.
2. Models of Organic Compounds- Identifying and naming Organic compounds

This section may also access your graphing skills and calculations.

Modules Assessed:
Acids and Base Reactions, Organic Chemistry and Applying Chemical Ideas.
Marks may be deducted for unsafe practices or for leaving equipment untidy

General Instructions

The Practical and Problem Solving task will be held in DO1/Lab 1 & Lab 2 during your double period (2-3)

You are required to arrive immediately at start of lesson.
Equipment needed: Pencil, pens, rubber, ruler and calculator.
Periodic Table and Data Sheet provided
## Assessment Criteria

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Mark Range</th>
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<tbody>
<tr>
<td>Outstanding (O)</td>
<td>The student has an extensive knowledge and understanding of the content and can readily apply this knowledge. In addition, the student has achieved a very high level of competence in the processes and skills and can apply these skills to new situations.</td>
<td>79.5-100%</td>
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<tr>
<td>High (H)</td>
<td>The student has a sound knowledge and understanding of the content and has achieved a good level of competence in the processes and skills.</td>
<td>69.5-79</td>
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<tr>
<td>Sound (S)</td>
<td>The student has a sound knowledge and understanding of the content and has achieved a good level of competence in the processes and skills.</td>
<td>49.5-69</td>
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<tr>
<td>Basic (B)</td>
<td>The student has a basic knowledge and understanding of the content and has achieved a basic level of competence in the processes and skills.</td>
<td>19.5-49</td>
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<tr>
<td>Limited (L)</td>
<td>The student has an elementary knowledge and understanding in a few areas of the content and still requires further work to achieve competence in the processes and skills.</td>
<td>0-19</td>
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### Satisfactory completion of courses

A course has been satisfactorily completed, when the student has:
- Followed the course developed/endorsed by the NSW Educational Standards Authority (NESA)
- Applied himself/herself with diligence and sustained effort to the set tasks and experiences provided in the course.
- Achieved some or all of the course outcomes