JOHN EDMONDSON HIGH SCHOOL
Assessment Notification

Faculty: Mathematics  Course: Mathematics Extension 1  Year: 12

Assessment Task: 2
Assessment Weighting: 30%  Due: Term 1 Week 10  Date: 4/04/2019

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

Outcomes assessed (NESA)
HE2, HE4, HE6, HE7
PLEASE NOTE: further information related to these codes can be found on the NESA website

Task Description/Overview
This in class written test will consist of multiple choice and short answer questions
Time allowed: 90 Minutes (2 periods)
Equipment required: Black pen and NESA approved calculator

Detailed Assessment Task Description
Topics to be assessed will be:
1) Probability
   * Binomial Probability
2) Integration
   * Integration by substitution (definite & indefinite integrals)
3) Series
   * Mathematical induction

Test/Examination Structure

<table>
<thead>
<tr>
<th>Section Description</th>
<th>Marks Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Multiple choice questions - Binomial probability/Integration by substitution</td>
<td>10</td>
</tr>
<tr>
<td>Mathematics Induction</td>
<td></td>
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<tr>
<td>Short answer questions - Binomial probability</td>
<td>10</td>
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<tr>
<td>Short answer questions - Integration by substitution</td>
<td>20</td>
</tr>
<tr>
<td>Short answer questions - Mathematical induction</td>
<td>20</td>
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<td></td>
<td></td>
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<tr>
<td>Total Marks for this task</td>
<td>60</td>
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</tbody>
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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