Examination Period 3: 2016/17

ANW305117N

Module Title: Performance Analysis and Rehabilitation
Level: Six
Time Allowed: Two hours

Instructions to students:

- Enter your student number not your name on all answer books.
- Answer all questions.
- Begin each question in a separate answer book; label each answer book clearly with the number of the question you are answering.
- Neither books nor notes may be taken into the examination.

<table>
<thead>
<tr>
<th>No. of Pages</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Questions</td>
<td>3</td>
</tr>
</tbody>
</table>

Page 1 of 2
Answer all questions.

1. Critically evaluate four diagnostic imaging techniques appropriate for assessing lameness or loss of performance in the horse.  

   (20 marks)

2. Tendon and ligaments injuries in the distal limb are of particular prevalence in the modern competition horse. The treatment of such connective tissue injuries has seen revolutionary progression in the past three decades. Critically compare the traditional method of ‘pin-firing’ with modern surgeries, with specific reference to the pain mechanism in the horse, and associated welfare concerns. Refer to relevant literature.  

   (40 marks)

3. Bone fractures in the performance horse can be career ending. Briefly review types of fracture and associated veterinary treatment and then discuss the use of non-veterinary rehabilitation options for a horse in the chronic, remodelling phase of healing. You should refer to a range of therapeutic modalities and possible contraindications.

   (40 marks)

End of Paper