

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Pearson BTEC Level 3  
Nationals Foundation  
Diploma/Diploma/  
Extended Diploma

Centre Number

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Learner Registration Number

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**Supervised Window:**

**Tuesday 14 May 2019 – Wednesday 15 May 2019**

Supervised hours: 2 hours 30 minutes

Paper Reference **20109K**

**Equine Management**

**Unit 2: Equine Diet and Nutrition**

**Set Task**

**You must have:**

Calculator

Total Marks

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and learner registration number.
- Answer **all** activities.
- Answer the activities in the spaces provided  
– *there may be more space than you need.*
- This booklet contains material for the completion of the set task under supervised conditions.
- This booklet is specific to each series and the material must be issued only to learners who have been entered to undertake the set task in the specified series.
- This booklet should be kept securely until the start of the single 2-hour 30-minute supervised assessment session.

### Information

- The total mark for this paper is 60.
- The marks for each activity are shown in brackets  
– *use this as a guide as to how much time to spend on each activity.*
- Materials allowed in the supervised assessment:  
– Calculator

### Advice

- Read each activity carefully before you start to answer it.
- Try to answer every activity.
- Check your answers if you have time at the end.

Turn over ►

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## Instructions for Teachers/Tutors and/or Invigilators

Learners must complete the set task using this booklet.

Teachers/tutors should note that:

- learners should not be given any direct guidance or prepared materials
- all work must be completed independently by the learner.

Learners must not bring anything into the supervised environment or take anything out without teacher/tutor approval.

Centres are responsible for putting in place appropriate checks to ensure that only permitted material is introduced into the supervised environment.

### Maintaining security

- During the supervised assessment session, the assessment areas must be accessible only to the individual learners and to named members of staff.
- Learners can access their work only under supervision.
- Any work learners produce under supervision must be kept securely.
- Learners are not permitted to have access to the internet or other resources during the supervised assessment session.

After the session, the teacher/tutor will confirm that all learner work has been completed independently as part of the authentication submitted to Pearson.

The set task is a formal external assessment and must be conducted with reference to the instructions in this booklet and the BTEC Nationals Instructions for Conducting External Assessments (ICEA) document to ensure that the supervised assessment is conducted correctly and that learners have completed their preparation validly and independently.

### Outcomes for submission

- This task and answer booklet must be submitted to Pearson.
- Each learner must complete an authentication sheet.

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### Instructions for Learners

Read the set task information carefully.

- You must plan your time on each part of the task. You have a total of 2 hours and 30 minutes in this session to complete the task.
- You will complete this set task under supervision and your work will be kept securely during any breaks taken.
- You must work independently throughout the supervised assessment period and must not share your work with other learners.

### Outcomes for submission

- You should complete the set task in this task and answer book.
- You must complete an authentication sheet.

### Set Task Information

You work for Flags Riding School, a busy training centre with 30 horses. Alongside your role as an instructor you are responsible for planning the feeding programmes for all the horses.

### Set Task

You must complete ALL activities in the set task.

Activity	Suggested time spent on activity	Total marks
Activity 1 – Feed management	20 minutes	8
Activity 2 – Diet evaluation	50 minutes	20
Activity 3 – Diet modification	30 minutes	12
Activity 4 – Diet-related disorders	50 minutes	20

**TOTAL FOR PAPER = 60 MARKS**





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**(Total for Activity 1 = 8 marks)**



## Activity 2

One of your tasks at Flags Riding School is to regularly review the diets of the horses.

Sue is a 10-year-old, 15 hh cob with no health conditions and is an ideal weight of 550 kg. Sue works for two hours a day Tuesday to Friday and three hours a day on Saturday and Sunday. She is used for beginners and nervous riders as she is steady and calm.

She is fed horse and pony nuts in a manger and hay in a hay net and turned out for an hour a day. Sue has been fed the same feed rations for the past two years.

Evaluate the suitability of Sue's diet. In your answer you should:

- consider Sue's size, weight, workload and stabling
- consider Sue's feeding regime including timing and presentation
- analyse the diet using information provided in the feed and nutrient data table
- justify your conclusions.

### Feed and nutrient data table

#### Sue's diet

am feed	Lunchtime feed	pm feed
3 kg hay	3 kg hay	4 kg hay + 0.5 kg horse and pony nuts

The hay Sue eats provides approximately 20 MCal/day.

#### Daily nutrient requirements of a 550 kg mature-weight horse in light to moderate work.

DE (MCal)	Crude Protein (g)	Lysine (g)	Calcium (g)	Phosphorus (g)	Magnesium (g)	Potassium (g)	Vitamin A (1000 IU)
25	700	34	32	23	11.5	37.9	27

#### Nutrition label from the horse and pony nuts, formulated for horses in light-medium work.

DE (MCal/kg)	2.2
Crude protein (%)	9.1
Crude fibre (%)	15
Crude fats and oils (%)	3
Crude ash (%)	7.2

**Ingredients: Barley, grass meal, oats, molasses, limestone flour, salt, trace vitamins and minerals**

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(Total for Activity 2 = 20 marks)



**Activity 3**

Socks has been at Flags Riding School for three weeks. He is an eight-year-old, 15.2 hh horse. He is currently 520 kg and is starting to look a little underweight. You have been asked to evaluate his diet and make changes to help with his weight loss.

Socks is stabled and gets one hour in the field twice a week. He does not suffer from any obvious health conditions and eats all of his food. He is a popular horse in the riding school and is favoured by some of the more advanced riders. He works two to three hours per day with one day off.

Socks' diet is:

am feed	Lunchtime feed	pm feed	Supplements
2 kg hay 1 kg pony nuts 0.5 kg chaff	2 kg hay	4 kg hay 1 kg pony nuts 0.5 kg chaff	No supplements

Plan a more suitable diet for Socks.

In your answer include:

- an assessment of the composition of the current diet
- a justification for your recommendations for change.

*You should spend approximately 30 minutes on this activity.*

(12)

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**(Total for Activity 3 = 12 marks)**





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**(Total for Activity 4 = 20 marks)**

**TOTAL FOR PAPER = 60 MARKS**





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