

Model Curriculum

Equine Farrier

SECTOR : AGRICULTURE AND ALLIED
SUB-SECTOR : Animal Husbandry
OCCUPATION : Equine Management
REF ID : AGR/Q4704, v1.0
NSQF LEVEL : 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

AGRICULTURE SKILL COUNCIL OF INDIA

for the

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: **'Equine Farrier'** QP No. **'AGR/Q4704 NSQF Level 4'**

Date of Issuance: May 2nd, 2019

Valid up to: May 2nd, 2023

* Valid up to the next review date of the Qualification Pack



Authorised Signatory
(Agriculture Skill Council of India)

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Equine Farrier

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of an “Equine Farrier”, in the “Agriculture and Allied Industry” Sector and aims at building the following key competencies amongst the learner:

Program Name	Equine Farrier		
Qualification Pack Name & Reference ID.	AGR/Q4704, v1.0		
Version No.	1.0	Version Update Date	22/08/2019
Pre-requisites to Training	Class 10. No separate entry requirements for the veterans from Armed forces who have exposure of working in the similar trades/ job roles		
Training Outcomes	<p>After completing this program, participants will be able to:</p> <ul style="list-style-type: none"> • Assess the equines’ built, gait and balance for the purpose determining abnormalities, injury, lameness, required corrections. • Assess shoeing requirement of the equines. • Render foot care to the equines. • Carry out shoeing including corrective shoeing of the animals. • Forge the horse shoes. • Prepare equines for journeys and events. • Identify and select right tool and equipment as per requirement. • Carry out maintenance of tools and equipment. • Organise operation of a farriery workshop. • Communicate effectively with seniors and co-workers. • Ensure safety of self and the animals at workplace. • Maintain hygiene and sanitation at workplace. • Observe applicable animal welfare best practices • Observe animal and personal safety aspects 		

This course encompasses 6 out of 6 National Occupational Standards (NOS) of “Equine Farrier” Qualification Pack issued by “Agriculture Skill Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1.	Introduction Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 02:00 Corresponding NOS Code Bridge Module	<ul style="list-style-type: none"> • Explain the scope of the equine sector. • State the roles and responsibilities of an equine farrier. • Highlight the career progression and livelihood opportunities for the equine farriers. • State the importance of skill training for the equine farriers. 	Training kit (Trainer guide, Power Point, video clips on equine farriery). Familiarization tour of a stud farm and farriery workshop.
2.	Familiarize with normal equine body structure abnormalities and deformities of limb and foot in equines Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 50:00 Corresponding NOS Code AGR/N4717	<ul style="list-style-type: none"> • Explain and demonstrate careful and confident handling of animals. • Practice handling of animals. • Explain the normal body structure of all categories of the equines. • Explain and demonstrate natural body balance of equine animals in standing mode. • Explain and demonstrate natural body balance of equine animals while in motion on flat and hard surfaces. 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, live horse/ pony/ mule, farriery workshop, animal shed, farriery tools, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, farriery register.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
3.	<p>Abnormalities and deformities of limbs and feet in the equines</p> <p>Theory Duration (hh:mm) 25:00</p> <p>Practical Duration (hh:mm) 60:00</p> <p>Corresponding NOS Code AGR/N4717</p>	<ul style="list-style-type: none"> • Describe common abnormalities in the body structure and gait of equines. • Identify the signs of musculoskeletal limb deformities such as, <ul style="list-style-type: none"> ○ Valgus ○ Varus ○ Rotation of the knee, hock and fetlock • Identify the signs of abnormalities of the foot such as, <ul style="list-style-type: none"> ○ Hoof flairs ○ Long toe ○ High heel ○ Low heel ○ Club foot 	<p>Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, live horse/ pony/ mule, farriery workshop, animal shed, farriery tools, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, farriery register.</p>
4.	<p>Evaluate the built, gait and balance of the equines</p> <p>Theory Duration (hh:mm) 30:00</p> <p>Practical Duration (hh:mm) 50:00</p> <p>Corresponding NOS Code AGR/N4717</p>	<ul style="list-style-type: none"> • Carry out conformation of front and hind limbs (from the front, sides and behind) and derive inferences. • Carry out conformation of front and hind limbs while the animal is in motion on flat and hard surfaces and derive inferences. • Demonstrate the method of evaluation of anterior and posterior as well as medio-lateral balance limbs and feet and derive inferences. • Carry out evaluation of anterior and posterior as well as medio-lateral balance of limbs and feet • Describe the method of evaluation of alignment of the phalanges. • Lift the feet of the animal for examination. • Identify the symptoms of disease by checking the feet. 	<p>Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, live horse/ pony/ mule, farriery workshop, animal shed, farriery tools, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, farriery register.</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
5.	Familiarize with normal foot structure of equine and deviations Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 50:00 Corresponding NOS Code AGR/N4718	<ul style="list-style-type: none"> Describe the normal foot structure of equines as per their breed and employment and the climate. Identify the deviations from the normal foot structure arising as per the breed and employment and the climate. Highlight various conditions related to deviations or rotation on the limbs. Highlight various conditions leading to deformity of the foot. Identify the signs of mechanical or pathological causes responsible for deformities in foot structure. Describe the signs of foot puncture injury. Identify the signs of hoof injury or pathological conditions by cleaning the hoof. 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, live horse/ pony/ mule, farriery workshop, animal shed, farriery tools, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, farriery register.
6.	Normal foot balance and foot care in equines Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 55:00 Corresponding NOS Code AGR/N4718	<ul style="list-style-type: none"> State the requirement and frequency of changing the horse shoe. Demonstrate the method of removing the horse shoe of the animal. Describe the problems and conditions arising out of poor foot care and malnutrition. Describe the permissible first aid in case of foot injury and infection. Administer first aid. State the problems related with the growth of the limbs and the foot in the foals, weanlings and yearlings. Demonstrate the method of assessment of foot balance of the animal. 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, live horse/ pony/ mule, farriery workshop, animal shed, farriery tools, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, farriery register.
7.	Providing foot care to foals, weanling and yearlings Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 65:00	<ul style="list-style-type: none"> Demonstrate the method of trimming and shaping the feet of foals, weanlings and yearlings. Perform corrective rasping and trimming. Assess required corrections to the limb or foot through farriery. Describe and apply required corrections for the limb deformity and deviations. Describe and apply required corrections for the foot deformity and deviations. Apply glue-on shoes corrections on the foals, if needed. 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, live horse/ pony/ mule, farriery workshop, animal shed, farriery tools, animal's

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Corresponding NOS Code AGR/N4718		lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, farriery register.
8.	Carry out corrective shoeing in equines Theory Duration (hh:mm) 25:00 Practical Duration (hh:mm) 55:00 Corresponding NOS Code AGR/N4718	<ul style="list-style-type: none"> Describe various types of shoes as per the condition and requirement. Describe the methods of corrective shoeing. Perform required trimming and rasping as per the requirement. Apply corrective shoeing to the animals. Demonstrate the method of checking the movement of the animal before and after the procedure. State the requirement of farriery as a compliment to the veterinary treatment. Describe the importance of helping the animal in recovering from the injury and rehabilitation. 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, live horse/ pony/ mule, farriery workshop, animal shed, farriery tools, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, farriery register.
9.	Familiarize with forging Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 60:00 Corresponding NOS Code AGR/N4719	<ul style="list-style-type: none"> Describe the layout and functioning of a forging shop Identify various tools used for forging. Select and use suitable tools for forging. Demonstrate working on the forge – coal or gas. Demonstrate working on the cutting, grinding, drilling and welding machines. Demonstrate the method of taking the hoof measurement. Select correct metal required for forging the horse shoe. Cut the metal according to the hoof size. Observe required safety precautions Use the PPE. Handle the animals with care during operations. 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, farriery workshop, forge, forging equipment and tools, metal strips, farriery tools, horse shoes, cutting, grinding, drilling and welding machines, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, animal

Sr. No.	Module	Key Learning Outcomes	Equipment Required
			shed, farriery register.
10.	Familiarize with farriery tools and equipment Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 50:00 Corresponding NOS Code AGR/N4719	<ul style="list-style-type: none"> Describe the layout and functioning of a farriery shop Identify various tools used for farriery. Select and use suitable tools for farriery. Demonstrate inspection of the horse shoe. Demonstrate cleaning of the hoof. Demonstrate trimming and rasping of the hoof. Identify signs and symptoms of hoof injury or infection. 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, farriery workshop, forge, forging equipment and tools, metal strips, farriery tools, horse shoes, cutting, grinding, drilling and welding machines, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, animal shed, farriery register.
11.	Carry out forging of the horse shoe Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 65:00 Corresponding NOS Code AGR/N4719	<ul style="list-style-type: none"> Demonstrate firing the forge as per protocol. Demonstrate placing of the metal piece inside the forge. Demonstrate use of correct tool to remove the metal piece from the forge. Demonstrate placing the metal piece on the anvil. Use correct tools to work on the metal piece. Demonstrate designing of horse shoe of desired specification. Demonstrate shaping the horse shoe in the desired shape and size. Demonstrate fullering on the horse shoe. Demonstrate punching on the horse shoe. Demonstrate fixing clips on the shoes. Demonstrate grinding/ filing the shoes. Demonstrate testing the shoe balance. Carry out forging of horse shoes 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, farriery workshop, forge, forging equipment and tools, metal strips, farriery tools, horse shoes, cutting, grinding, drilling and welding machines, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, animal shed, farriery register.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
12.	Carry out hot and cold shoeing Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 72:00 Corresponding NOS Code AGR/N4719	<ul style="list-style-type: none"> Describe the need and importance of carrying out hot shoeing on the animal. Describe the need and importance of carrying out cold shoeing on the animal. Demonstrate hot shoeing the animal. Demonstrate cold shoeing the animal. Check body balance of the animal Carry out cold shoeing Perform hot shoeing 	Training Kit (Power Point, Trainer Guide), charts, models and videos on equine morphology and body balance, limb and foot deformities, video camera, farriery workshop, forge, forging equipment and tools, metal strips, farriery tools, horse shoes, cutting, grinding, drilling and welding machines, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, animal shed, farriery register.
13.	Familiarize with schedule of events and plan for animal inspection Theory Duration (hh:mm) 25:00 Practical Duration (hh:mm) 45:00 Corresponding NOS Code AGR/N4720	<ul style="list-style-type: none"> Interpret the schedule of the events and races. Plan the animal inspection in advance. Demonstrate checking of the state of hoof and horse shoe of each animal. Demonstrate replacing nails, if required. Assess shoeing requirement for the animals based on event/ race. Prepare shoeing schedule for the animals. Carry out animal, hoof and horse shoe inspection. 	Training Kit (Power Point, Trainer Guide), charts and videos on equine morphology and body balance, limb and foot deformities, video camera, live horse/ pony/ mule, farriery workshop, forge, forging equipment and tools, farriery tools, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, animal shed, farriery register, sample schedule of events and races

Sr. No.	Module	Key Learning Outcomes	Equipment Required
14.	Pack farriery workshop and prepare animals for the event Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 45:00 Corresponding NOS Code AGR/N4720	<ul style="list-style-type: none"> Carry out shoeing the animal prior to the event. Describe the importance of shoeing the race horse a day prior to the race. Prepare and provide a set of horse shoes for each animal. Assess the requirement of essential farriery tools, equipment and raw material for the event. Practice selection and packing of necessary farriery tools and equipment for supporting the event and races. 	Training Kit (Power Point, Trainer Guide), charts and videos on equine morphology and body balance, limb and foot deformities, video camera, farriery workshop, forge, forging equipment and tools, farriery tools, animal's lashings, collars, first aid kit, personal protective equipment and clothing, fire-fighting equipment, animal shed, farriery register, sample schedule of events and races
15.	Communicate effectively Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code AGR/N9918	<ul style="list-style-type: none"> Explain routine orders and protocols Perform basic routine tasks based orders and protocols Carry out basic numeric calculations pertaining to the job-role and responsibility Use of weights and measures Read and write text in vernacular and English Make notes of instructions and observations Prepare a list of the items and materials on charge Receive and acknowledge instructions from senior State the importance of effective communication with stakeholders Practice effective communication with stakeholders Describe the method of sharing and receiving desired information within the organisation Mentor an apprentice Explain work and skills to the apprentice Assign work and monitor progress of apprentice Provide reports and feedback 	Training kit (Trainer guide, Power Point), writing material, work area, desired forms and registers

Sr. No.	Module	Key Learning Outcomes	Equipment Required
16.	Occupational health and safety at animal facilities Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 35:00 Corresponding NOS Code AGR/N9919	<ul style="list-style-type: none"> • Explain workplace health and safety instructions. • Describe the possible risks and threats at the workplace. • Describe basic safety checks of the workplace and equipment. • Describe layout of the workplace and necessary signage. • Prepare workplace safety checklist • Describe methods of mitigating risks and threats at the workplace. • Practice workplace health and safety through periodic training sessions. • Identify contagious diseases of the equines. • Identify equine diseases that are transmitted to humans. • State the importance of personal inoculations. • State the importance of inoculation for the animals under charge. • Describe normal and abnormal behaviors of animals. • Demonstrate correct animal handling techniques. • Identify equipment and tools required for workplace safety. • Describe emergency procedures of the workplace. • Operate firefighting equipment. • Carry out evacuation in case of emergency. • Apply relevant first-aid techniques on affected personnel and animals. 	Training Kit (Trainer Guide, Power Point), charts, models and videos on: occupational health and safety, animal safety, fire safety. Safety signage, fire extinguishers, firefighting equipment, public address system, casualty evacuation equipment, first aid kit, personal protective equipment and clothing
17.	Theory Duration (hh:mm) 383:00 Practical Duration (hh:mm) 769:00	Unique Equipment Required: Areas – Forge area, shoeing area, animal waiting area, animal walking trail. Animal – live horse/ pony/ mule/ donkey Large equipment - Forge (coal or gas), metal cutting machine, metal grinding machine, welding machine, anvil (fixed and portable), vice (fixed and portable), stall jack (hoof stand) Tools - Rasper 16”, drawing knife large, drawing knife small, hoof picker, hoof brush, hoof tester, hoof nipper, buffer farrier, horse shoe puller, nail puller, clincher, pritchel farrier, hoof cutter, nail cutter, shoeing hammer, turning hammer, tongs, pincer farrier, stone piece, wooden piece, farrier bag, poker smith, stamping, set coldsmith, cutter, fullering tool, compass, scale 12”, ropes, leather apron, hand gloves, face mask, farriery register, sample schedule of events and	

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>races.</p> <p>Firefighting equipment – fire extinguishers, buckets with sand and water, fire beater, fire hook, ladder.</p> <p>First aid kit for humans and animals, stretcher</p>	

Grand Total Course Duration: **1152 Hours, 0 Minutes**

(This syllabus/ curriculum has been approved by [Agriculture Skill Council of India](#))

Trainer Prerequisites for Job role: “Equine Farrier” mapped to Qualification Pack: “AGR/Q4704 v1.0”

Sr. No.	Area	Details
1	Description	A trainer for Equine Farrier (also known as ‘Nalband’) is a farriery professional, who has been providing farriery services to the equines at stud farms, race courses, polo clubs, riding schools, army, CAPF and police. S/he should be able to impart training through live examples and theoretical explanation. Trainer should be an accomplished blacksmith and adept in forging of horse shoes. S/he should be knowledgeable about the equine morphology and anatomy and be able to apply corrective shoeing.
2	Personal Attributes	The trainer should be physically fit, dexterous and confident at animal handling. S/he should be able to work for long hours. Trainer should be observant and adept in communication skills. While working, a farrier should also take care of the safety of self and the animals.
3	Minimum Educational Qualifications	Class 10
4a	Domain Certification	Certified for Job Role: “ <u>Equine Farrier</u> ” mapped to QP: “ <u>AGR/Q4704, v1.0</u> ”.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “ <u>Trainer</u> ”, mapped to the Qualification Pack: “ <u>MEP/Q2601</u> ”. Minimum accepted as per respective SSC guidelines is 80%.
5	Experience	<ul style="list-style-type: none"> Class 10 with a minimum experience of five years as an equine farrier with stud farms/ race courses/ polo clubs/ riding schools. Ex-serviceman from the Army or Central Armed Police Force or State Police with minimum five years of experience as an equine farrier.

Annexure: Assessment Criteria

Criteria For Assessment Of Trainees

Job Role: Equine Farrier

Qualification Pack: AGR/Q4704, v1.0

Sector Skill Council: Agriculture Skill Council of India

Guidelines for Assessment:

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination / training center based on this criterion.
6. To pass the Qualification Pack, every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Compulsory NOS		Marks Allocation			
Total Marks: 1100					
Assessable outcomes	Assessment criteria for outcomes	Total Marks	Out of	Theory	Skills Practical
1. AGR/N4717 Assess the equines' built, gait and balance	PC1. approach the animal carefully and confidently	200	5	2	3
	PC2. calm and hold the animal as per procedure		5	2	3
	PC3. identify and assess the normal body structure of all categories of equines		20	8	12
	PC4. observe the animal in standing mode for its natural balance		10	4	6
	PC5. observe the animal while in motion (walking and trotting in a straight line) on a flat and hard surface		15	6	9
	PC6. analyse the abnormality in the body structure, gait and balance of the animal		20	8	12
	PC7. carry out conformation of the front and hind limbs (from the front, sides and		20	8	12

	behind) in the standing position				
	PC8. carry out conformation of the front and hind limbs when the animal is in motion (walking and trotting in a straight line) on a flat and hard surface		25	10	15
	PC9. identify any musculoskeletal deformity in the limbs like valgus, varus, rotation of the knee, hock and fetlock, etc		20	8	12
	PC10. evaluate anterior, posterior as well as medio-lateral balance of the feet		15	6	9
	PC11. evaluate the alignment of the phalanges		10	4	6
	PC12. identify abnormalities of the foot like hoof flairs, long toe, high heel, low heel, club foot, etc.		20	8	12
	PC13. lift the foot for examination		5	2	3
	PC14. check foot for any noticeable disease symptoms/ injuries		10	4	6
			200	80	120
2. AGR/N4718 Provide foot care to the foal, growing and adult equines	PC1. identify the normal foot structure as per climate, breed and employment of the animal	300	10	4	6
	PC2. interpret deviations in the normal foot structure based on climate, breed and employment of the animal		10	4	6
	PC3. identify various conditions related to deviations or rotation on the limbs		5	2	3
	PC4. identify various conditions leading to deformity of the foot		5	2	3
	PC5. identify causes (mechanical or pathological) responsible for unusual presence of certain symptoms		5	2	3
	PC6. identify foot puncture injury and report to the veterinarian		5	2	3
	PC7. render necessary first aid		10	4	6
	PC8. apply or perform corrections to the foot through farriery or veterinary care		20	8	12
	PC9. assess the foot balance of the animal		10	4	6
	PC10. trim and shape the feet of the foals, weanlings and yearlings		15	6	9
	PC11. identify the problems related with the growth of the limbs and the foot in foals, weanlings and yearlings		10	4	6
	PC12. apply required corrections for the limb deformity and deviations		20	8	12
	PC13. apply required corrections for the foot deformity and deviations		20	8	12

	PC14. interpret problems arising out of poor foot care and malnutrition		10	4	6
	PC15. apply glue-on shoes corrections on the foals, if needed		20	8	12
	PC16. perform corrective rasping and trimming		15	6	9
	PC17. apply corrective shoeing		20	8	12
	PC18. check the movement of the animal before and after the procedure		10	4	6
	PC19. identify the injury or pathological conditions by cleaning the hoof		10	4	6
	PC20. remove the shoes of the animal, if required		5	2	3
	PC21. perform required trimming, rasping and corrective shoeing as per requirement		20	8	12
	PC22. compliment to the veterinary treatment		10	4	6
	PC23. help the animal in recovering from the injury and rehabilitation		10	4	6
	PC24. apply various types of shoes as per the condition and requirement		25	10	15
			300	120	180
3. AGR/N4719 Carry out forging of the horse shoes	PC1. select suitable mild steel bars/strips for forging	200	5	2	3
	PC2. take the hoof measurement		10	4	6
	PC3. cut the metal in the right length according to the hoof size		10	4	6
	PC4. select right tools for forging		15	6	9
	PC5. fire the forge		10	4	6
	PC6. place the metal piece inside the forge till it turns orange		5	2	3
	PC7. take the metal piece out of the forge		5	2	3
	PC8. place the metal piece on the anvil		10	4	6
	PC9. work on the metal piece to design horse shoe of desired specification		25	10	15
	PC10. take required safety precautions and use PPE		10	4	6
	PC11. shape the horse shoe in the desired shape and size		10	4	6
	PC12. carry out fullering		10	4	6
	PC13. perform punching		5	2	3
	PC14. fix clips on the shoes		10	4	6
	PC15. grind/ file the shoes		10	4	6
	PC16. test the shoe balance		5	2	3
	PC17. carry out hot shoeing		25	10	15
	PC18. carry out cold shoeing		20	8	12
		200	80	120	

4. AGR/N4720 Prepare equines for the events and races	PC1.	plan according to the schedule of events and races	100	5	2	3
	PC2.	plan inspection and shoeing schedule for the animals		5	2	3
	PC3.	inspect the animals		10	4	6
	PC4.	check the state of hoof and horse shoe of each animal		10	4	6
	PC5.	assess the shoeing requirement of the animals		10	4	6
	PC6.	replace nails, if required		5	3	2
	PC7.	shoe the animal prior to the event		25	10	15
	PC8.	shoe the race horse a day prior to the race		5	2	3
	PC9.	prepare and provide a set of horse shoes for each animal, if not accompanying them to the event		15	6	9
	PC10.	assess the requirement of essential tools, equipment and raw material for the shoeing		10	4	6
			100	40	60	
5. AGR/N9918 Communicate effectively at the workplace	PC1.	perform routine tasks as per instructions	150	5	2	3
	PC2.	interpret and follow verbal and written instructions		10	4	6
	PC3.	note down instructions from seniors		10	2	3
	PC4.	seek clarifications on instructions, if any		5	2	3
	PC5.	obtain requisite information from a source or person		5	2	3
	PC6.	provide information in the desired format and frequency		5	2	3
	PC7.	carry out work-related documentation		15	6	9
	PC8.	report accidents and incidents as per procedure		15	6	9
	PC9.	carry out workplace interaction with other stakeholders		10	4	6
	PC10.	explain scope of work and skills to the apprentice		15	6	9
	PC11.	demonstrate work and skills to the apprentice		20	8	12
	PC12.	assign work to the apprentice and monitor progress		15	6	9
	PC13.	report performance of apprentice to the senior		10	4	6

	PC14. explain safety procedure and use of PPE to apprentice		10	4	6
			150	60	90
6. AGR/N9919 Ensure occupational health and safety at animal facilities	PC1. apply the organisation's health & safety and emergency procedures at the workplace	150	10	4	6
	PC2. visualise possible risks to self, co-workers and the animals at the workplace		15	6	9
	PC3. carry out basic safety checks of the workplace, equipment and machinery		15	6	9
	PC4. take recommended personal inoculations periodically		5	2	3
	PC5. get animals inoculated periodically		5	2	3
	PC6. use and store equipment and materials safely and correctly		10	4	6
	PC7. anticipate the behaviour of the animals before approaching them		5	2	3
	PC8. use recommended protective clothing and PPE		10	4	6
	PC9. restrain and control animals as per procedure		10	4	6
	PC10. dispose off waste as per procedure		5	2	3
	PC11. report accidents and incidents to the senior as per procedure		10	4	6
	PC12. participate in periodic training and mock drills on emergency procedures		5	2	3
	PC13. follow laid down procedures while dealing with accidents, fire and other emergencies		10	4	6
	PC14. use emergency equipment while dealing with accidents, fire and other emergencies		15	6	9
PC15. ensure serviceability of emergency equipment	5	2	3		
PC16. provide basic first aid to personnel and animals, if required	10	4	6		
PC17. evacuate affected personnel and animals, if required	5	2	3		
			150	60	90
			1100	440	660

