

Model Curriculum

Piggery Farmer

SECTOR: AGRICULTURE & ALLIED
SUB-SECTOR: AGRICULTURE ALLIED ACTIVITIES
OCCUPATION: SMALL RUMINANTS & OTHERS
REF ID: AGR/Q4502, 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: **'Piggery Farmer'** QP No. **'AGR/Q4502 NSQF Level 4'**

Date of Issuance: October 20th, 2016

Valid up to: March 31st, 2019

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



Authorised Signatory
(Agriculture Skill Council of India)

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Piggery Farmer

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a "Piggery Farmer", in the "Agriculture & Allied" Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Piggery Farmer		
Qualification Pack Name & Reference ID. ID	AGR/Q4502, v1.0		
Version No.	1.0	Version Update Date	
Pre-requisites to Training	5 th standard pass, preferably		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Construct & maintain pig house/shed: identify appropriate site for pig house and carry out construction design as per the requirement • Select & Procure good quality pigs for fattening/breeding purpose: identify & procure required type of breeds, undertake their health & fertility assessment • Undertake health, care & feed management of pigs for fattening/breeding purpose: use good husbandry practices for the piggery farm management- proper housing, daily care, feed & fodder management, timely vaccination, parasite & disease management etc • Carry out breeding procedures: conduct pre mating health checks, apply appropriate breeding techniques in accordance with relevant animal health and welfare guidelines • Undertake basic entrepreneurial activities for small piggery unit: arrangement of finance, pooling of resources, market linkages etc • Practice health & safety at the work place: Well versed with health and safety measures in terms of personal as well as others' safety. 		

This course encompasses 8 out of 8 National Occupational Standards (NOS) of “Piggery Farmer” Qualification Pack issued by “Agriculture Skill Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Introduction Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 00:00 Corresponding NOS Code Bridge Module	<ul style="list-style-type: none"> Understand General Discipline in the class room (Do’s & Don’ts) Study the Scope & importance of Pig farming in India Understand the profitability associated with piggery unit Understand the Role of a ‘Piggery Farmer’ 	Laptop, white board, marker, projector
2	Construct pig house/shed in appropriate site/location (Mandatory) Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 20:00 Corresponding NOS Code AGR / N4501	<ul style="list-style-type: none"> Understand relevant BIS standards on pig housing Identify appropriate site for piggery farm as per job requirements-backyard pig house/shed made of mud and bamboo, concrete floor with asbestos roofing, etc. Construct housing structures depending upon the climatic conditions and geographical locations as per the required specifications-space requirements, number of pens for categories of pigs, doors and windows for ventilations, etc. Ensure that the pig sty is designed to house each pen with animals of same age, sex and purpose Ensure proper flooring & drainage system Ensure that water troughs/feeders are placed in location accessible to animals and cleaners/attendants Comply with the occupational health & safety requirements relevant to work 	Laptop, white board, marker, projector, Audio-visual aids, White Marker, Housing shed models, disinfectants, hammers, saw, drillers
3	Undertake health & care management of pigs (Mandatory) Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm)	<ul style="list-style-type: none"> Carry out health assessment and management of pigs in line with standard husbandry procedures at regular intervals and maintain appropriate records Follow relevant compliances in livestock handling practices to minimize the risk of animal stress and injury Comply with the recommended control 	Laptop, white board, marker, projector, Audio-visual aids, shearer, teeth trimmer

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	30:00 Corresponding NOS Code AGR/N4504	measures for infectious & non-infectious diseases <ul style="list-style-type: none"> • Ensure bio-security measures to control the spread of zoonotic diseases • Ensure good housing management practices to prevent mortality and diseases in pigs • Follow scientific feeding programme as per growth stage and in accordance with relevant regulations related to animal health & welfare • comply with relevant care management practices for different classes of pigs-pregnant sow/gilt, pre and post farrowing sows, newly born piglet, breeding boar and gilt, etc. • Carry out weaning, castration and method of castration, etc. Using approved procedures • Carry out proper post-care of castrated pigs and take support from veterinary experts if required • dispose-off waste in line with environmental health & safety guidelines 	
4	Maintain Health & Safety at the work place (Mandatory) Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code AGR/N9903	<ul style="list-style-type: none"> • Maintain a clean & efficient workplace • Render appropriate emergency procedures • On Time Reporting to appropriate person. • Practice General safety and first aid 	Laptop, white board, marker, projector, , Personal protective equipment Like: Helmet / head gear, rubber gloves, Safety boots, First Aid Kit: Bandages, Adhesive bandages, Betadine Solution / ointment, Pain relief spray / ointment, Antiseptic liquid; Phone directory, Search lights, fire extinguisher
5	Undertake basic entrepreneurial activities for small enterprise (Mandatory) Theory Duration (hh:mm) 10:00	<ul style="list-style-type: none"> • Assess demand & supply of pig meat in the market • Seek information regarding subsidies/loan available through govt institutions • Avail loan from the financial institutions • Identify & develop appropriate marketing channels 	Laptop, white board, marker, projector, Audio-visual aids, pen, paper

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Practical Duration (hh:mm) 15:00 Corresponding NOS Code AGR/N9908	<ul style="list-style-type: none"> Track prices prevailing in the market and formulate competitive pricing mechanism Maintain book of accounts Calculate B:C ratio Comply with relevant regulations in marketing & sale of the produce 	
6	Select quality piglets for fattening and managing farm using good husbandry practices (Option 1) Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 20:00 Corresponding NOS Code AGR/N4506	<ul style="list-style-type: none"> identify the required type of breeds (pure indigenous, pure exotic, cross breeds etc) based on the desired characteristics procure the litters for fattening from reliable sources along with the required information undertake health & fertility examinations of the selected litters with local veterinary practitioner set up and maintain appropriate records wherever necessary as per relevant livestock health & welfare regulations wherever required prepare a work plan based on the following information-number of required piglets; demands in market; price; etc. ensure that piglets selected for fattening are housed in separate pens for boars and gilts at appropriate age establish favourable dwelling conditions as per standard animal husbandry procedures monitor activities of animals in pens and observe any possible signs of stress and illnesses, abnormal behaviour, parasitic infestation and injuries Record any anomalies and the treatment/ measures taken refrain fatteners from scavenging in accordance with standard piggery procedures Dispose off waste appropriately in accordance with environmental health & safety guidelines Monitor selected piglets to ensure that following parameters are checked-breed with high meat production; fats gained after 57 kg should not exceed standard recommendations; marketable age of fatteners; etc. 	Laptop, white board, marker, projector, Audio-visual aids, record book, cash book, purchase book, inventory registry

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> Provide routine care & ensure proper hygiene at the pig shed Get acquainted with various body parts of pigs on which vital rates are recorded and instruments used Undertake safe work practices while rearing & managing litters 	
7	<p>Prepare nutritive feed and feeding management (Option 1)</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code AGR/N4505</p>	<ul style="list-style-type: none"> Understand the risks associated with improper feeding, insufficient nutrition, improperly cooked food etc identify the required nutritional needs of pigs based on age, weight and growth pattern in line with relevant BIS standard identify the range of food source rich in required nutrients for feeding pigs Formulate feeds in accordance with the dietary, medical and production requirements and as per given instructions for different age groups of pig Get acquainted with unconventional feeding system Ensure commercial mineral mixture, iron rich food in daily diet select correct feeding troughs in accordance with age and weight of pigs to meet proper nutritive requirements Comply with the recommended procedures while preparing feed Ensure that the feeding area is clean & free from pests Ensure clean feeding & watering troughs and timely supply to the animals comply with appropriate type of feeding techniques (creep feeding, fostering, rearing orphan piglet, flushing, etc.) as per feeding requirements 	Laptop, white board, marker, projector, Audio-visual aids, pen, paper, feed sample-concentrates, supplements etc, fodder sample, feeder trough, water trough
8	<p>Select quality piglets for breeding & welfare management (Option 2)</p> <p>Theory Duration (hh:mm) 10:00</p>	<ul style="list-style-type: none"> identify the required type of breeds (pure indigenous, pure exotic, cross breeds etc) based on the desired characteristics procure the litters for breeding from reliable sources along with the required information in accordance with the purpose of breeding program 	Laptop, white board, marker, projector, Audio-visual aids,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code AGR/N4502</p>	<ul style="list-style-type: none"> undertake health & fertility examinations of the selected litters with local veterinary practitioner to confirm that they are suitable to be used for breeding set up and maintain appropriate records wherever necessary as per relevant livestock health & welfare regulations wherever required ensure that piglets selected for breeding are housed in separate pens for boars and gilts at appropriate age establish favourable dwelling conditions as per standard animal husbandry procedures monitor activities of animals in pens and observe any possible signs of stress and illnesses, abnormal behaviour, parasitic infestation and injuries Record any anomalies and the treatment/ measures taken Monitor selected piglets to ensure that Provide routine care & ensure proper hygiene at the pig shed Dispose off waste appropriately in accordance with environmental health & safety guidelines Get acquainted with various body parts of pigs on which vital rates are recorded and instruments used Undertake safe work practices while rearing & managing litters Adhere to relevant livestock farming regulations 	
9	<p>Carry out breeding procedures in well managed conditions (Option 2)</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code AGR/N4503</p>	<ul style="list-style-type: none"> Ensure the selected breeding stock has attained minimum physical requirements such as age, weight, heat detection and estrus cycle Ensure appropriate ratio of confined pigs (boar & gilts) is maintained in the breeding enclosure Conduct pre-mating health checks of selected breeding stocks prior to commencing breeding as per relevant standard husbandry procedures Ensure adequate facilities, supplies, tools & equipment, etc. are available to carry out breeding Apply appropriate breeding techniques 	Laptop, white board, marker, projector, Audio-visual aids, catheter, knife

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		(natural mating, artificial insemination) in accordance with the defined breeding programme <ul style="list-style-type: none"> Monitor breeding process for any evitable sign of stress or injury in animals as per standard husbandry procedures and seek advice from experts wherever necessary Ensure that breeding procedures are carried out in accordance with relevant animal health and welfare guidelines 	
10	Soft Skills/ Computer Literacy/ Financial Literacy Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code	<ul style="list-style-type: none"> Basic Communication Skills Basic Computer Skills Various types of documents and their uses- Birth certificate, 10th Certificate, Ration Card, Voter Id Card, Aadhar Card, PAN card, Driving License, Bank Pass Book Various types of loan/credit available (relevant to the trainees' requirement) and the process to avail the same 	Computer, Audio-visual aids, Projector
	Total Duration: Theory Duration (hh:mm) 95:00 Practical Duration (hh:mm) 155:00	Unique Equipment Required: Laptop, white board, marker, projector, Audio-visual aids, hoof cutter, shearer, Markers, Housing shed models, disinfectants, hammers, saw, drillers, disinfectants, shearer, catheter, record book, cash book, purchase book, inventory registry, feed sample-concentrates, supplements etc, fodder sample	

Grand Total Course Duration: **250 Hours, 0 Minutes**

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

Trainer Prerequisites for Job role: “Piggery Farmer” mapped to Qualification Pack: “AGR/Q4502, v1.0”

Sr. No.	Area	Details
1	Description	Trainer is responsible for educating the trainees –constructing pig shed, selection of quality pigs for breeding & fattening purpose, breeding of pigs, prepare nutritive feed, health & care management of pigs
2	Personal Attributes	Trainer should be Subject Matter Expert. S/he should have a presence of mind, compassion for animals, good communication, leadership, observation and practical oriented skills.
3	Minimum Educational Qualifications	Diploma in Veterinary Science or relevant field (BVSc Preferable)
4a	Domain Certification	Certified for Job Role: “Piggery Farmer” mapped to QP: “AGR/Q4502 v1.0”. Minimum accepted score is 80%.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “SSC/Q1402”. Minimum accepted % as per respective SSC guidelines is 70%.
5	Experience	<ul style="list-style-type: none"> • MVSc with 1 Year experience, • BVSc with 3 Years of experience, • Diploma in Veterinary Science with relevant experience of 5 Years

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Piggery Farmer
Qualification Pack	AGR/Q4502, v1.0
Sector Skill Council	Agriculture

Sr. No.	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	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre(as per assessment criteria below)
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
5	To pass the Qualification Pack, every trainee should score a minimum of 70% in aggregate
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

Assessable Outcomes	Assessment Criteria	Total Marks	Out Of	Theory	Skills Practical
AGR/N4501 Construct pig house/shed in appropriate site location	PC1. use appropriate personal protective equipment prior to carrying out the work in line with relevant occupational health & safety guidelines	80	4	2	2
	PC2. assess potential risks related to work and implement relevant safety measures where applicable		3	2	1
	PC3. exercise safe working practices while dealing with sharp tools and construction accessories		4	2	2
	PC4. follow relevant electrical safety practices whenever required		4	2	2
	PC5. obtain tools, equipment and materials required for constructing housing accommodation for pigs		3	1	2
	PC6. confirm that the selected tools and equipment are in working order and safe to handle		3	1	2
	PC7. identify appropriate housing site based on the following parameters: Parameters: free air movement and natural good ventilation; prevent excessive exposure to sunlight to check problems of sun burns and heat stress; avoid extreme cold conditions; slightly slope surface to allow drainage; availability of land; adequate water supply; access to roads; not liable to flooding; soil not clayey or slushy; etc.		4	2	2
	PC8. ensure that appropriate distance from dwelling, factories, dairies, poultry farms, food grains storage, fire sources, garbage dumps, etc. is maintained as per relevant BIS standards		4	2	2
	PC9. obtain information of appropriate housing designs and investment costs from reliable sources such as piggery experts, farmers' associations, etc.		4	2	2
	PC10. identify the required type of pig sty as per job requirements		3	1	2
	PC11. estimate land area required to carry out the construction activity		3	1	2

	PC12. check that appropriate space requirements for each animal is determined based on the following factors		4	2	2
	PC13. ensure that the pig sty is designed to house each pen with animals of same age, sex and purpose		4	2	2
	PC14. select appropriate type of construction materials for housing the structures depending upon the climatic conditions and geographical locations		4	2	2
	PC15. use approved method to construct housing structures as per required specifications		5	3	2
	PC16. ensure the construction of proper drainage system to drain out animals wastes		3	2	1
	PC17. verify that water troughs/feeders are placed in location accessible to animals and cleaners/attendants		4	2	2
	PC18. check that flooring is not slippery, walls are capable of restraining animals and roof provides good shading and protection from heat & rain		2	1	1
	PC19. apply recommended work procedures while installing any electrical connections to the housing accommodation		4	2	2
	PC20. leave the work area in a safe condition after completing work		2	1	1
	PC21. return all tools and equipment in appropriate storage location		2	1	1
	PC22. safely dispose wastes materials in line with environmental health & safety guidelines		3	2	1
	PC23. report any work related problems or issues to appropriate personnel in line with relevant regulatory and safety requirements		4	2	2
		Total	80	40	40
AGR/N4504 Undertake health and care management of pigs	PC1. use appropriate personal protective equipment prior to carrying out the work in line with relevant occupational health & safety guidelines	100	4	2	2
	PC2. assess potential risks related to work and implement relevant safety measures where applicable		3	1	2

PC3. exercise safe working practices while dealing with sharp tools and construction accessories	3	1	2
PC4. implement preventive measures to control the spread of communicable diseases from attendant to animals	4	2	2
PC5. obtain tools and materials required for carrying out health assessment and management of pigs in line with standard husbandry procedures	2	1	1
PC6. confirm that the selected tools and materials are in working order and safe to handle	2	1	1
PC7. prepare a work plan and coordinate with others involved how to undertake the work	3	1	2
PC8. set up and maintain appropriate health assessment and management records	4	2	2
PC9. follow relevant compliances in livestock handling practices to minimize the risk of animal stress and injury	4	2	2
PC10. provide farm pigs with sufficient and effective land enclosure to freely move, and maintain their physical functioning	4	2	2
PC11. monitor the physical condition, behaviour and general well-being of pigs at regular intervals and identify any visible abnormal symptoms	4	2	2
PC12. seek medical intervention of veterinary practitioner to inspect and carry out disease control methods	2	1	1
PC13. ensure that recommended disease control measures are implemented according to the type of disease	2	1	1
PC14. comply with recommended control measures to minimize piglets mortality due to non-infectious causes	3	1	2
PC15. adhere to deworming schedule recommended in relevant livestock health and welfare standards	3	2	1
PC16. ensure that pigs are not scavenging or feeding on unhygienic places	4	2	2
PC17. wash animal faeces regularly with water and disinfectants and keep the pens dry	2	1	1

PC18. ensure that the roof, walls, floor and feeding equipment are properly clean for letting the animals to enter	3	2	1
PC19. check that appropriate bio-security procedures are put in places to control the spread of zoonotic diseases	3	1	2
PC20. check that grazing pigs are properly washed frequently in a week or as per requirements	3	2	1
PC21. maintain timely feeding of pigs in required quantity	2	1	1
PC22. ensure that good housing management practices are followed to prevent mortality and diseases in pigs	3	2	1
PC23. follow scientific feeding programme as per growth stage and in accordance with relevant regulations related to animal health & welfare	4	2	2
PC24. verify that the pigs are sufficiently hydrated to prevent diseases	2	1	1
PC25. provide mineral mixture and liver tonic as per requirement of pigs	2	1	1
PC26. comply with relevant care management practices for different classes of pigs	3	2	1
PC27. use approved procedures while carrying out practices like weaning, castration and method of castration, etc.	4	2	2
PC28. seek assistance of veterinary practitioner while conducting scientific castration	4	2	2
PC29. ensure proper post care of castrated pigs and take support from veterinary experts if some adverse occurs after the procedures	3	2	1
PC30. record preventive medication recommended by veterinary health experts for future reference	3	1	2
PC31. leave the work area in a safe condition after completing work	2	1	1
PC32. return all tools and equipment in appropriate storage location	2	1	1
PC33. safely dispose wastes materials in line with environmental health & safety guidelines	2	1	1

	PC34. report any work related problems or issues to appropriate authority in accordance with relevant regulatory and safety requirements		2	1	1
		Total	100	50	50
AGR/N9903 Maintain health & safety at the workplace	PC1. undertake basic safety checks before operation of all machinery and vehicles and hazards are reported to the appropriate supervisor		4	2	2
	PC2. work for which protective clothing or equipment is required is identified and the appropriate protective clothing or equipment is used in performing these duties in accordance with workplace policy		5	2	3
	PC3. read and understand the hazards of use and contamination mentioned on the labels of pesticides/fumigants etc		4	2	2
	PC4. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practice		4	2	2
	PC5. use equipment and materials safely and correctly and return the same to designated storage when not in use		4	2	2
	PC6. dispose of waste safely and correctly in a designated area	70	4	2	2
	PC7. recognise risks to bystanders and take action to reduce risk associated with jobs in the workplace		4	2	2
	PC8. perform your work in a manner which minimizes environmental damage all procedures and work instructions for controlling risk are followed closely		5	3	2
	PC9. report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger		5	3	2
	PC10. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to emergency		5	3	2
	PC11. follow emergency procedures to company standard / workplace requirements		5	2	3

	PC12. use emergency equipment in accordance with manufacturers' specifications and workplace requirements		5	2	3
	PC13. provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques		6	3	3
	PC14. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate		5	3	2
	PC15. report details of first aid administered in accordance with workplace procedures		5	2	3
	Total		70	35	35
AGR/N9908 Undertake basic entrepreneurial activities for small enterprise	PC1. seek information regarding demand and supply of produce in the market	100	10	5	5
	PC2. identify target customers and assess their needs such as amount required, purpose, quality, expectations, etc.		10	5	5
	PC3. perform basic accounting such calculating expenditure incurred, costing and pricing of produce		10	5	5
	PC4. ensure that the cost of production, transportation and marketing are included in costing and pricing		10	5	5
	PC5. collect information related to various subsidies/funds offered by the Government, authorized state units and other financial institutions involved with the promotion of the produce		10	5	5
	PC6. comply with relevant regulations in marketing of the produce		10	5	5
	PC7. track information related to wholesale and retail price of the produce		10	5	5
	PC8. record daily sell and purchase of items in designated log books, register, etc.		10	5	5
	PC9. record quantity, quality, date of manufacture and batch number of every produce accurately		10	5	5
	PC10. identify appropriate marketing channels related to the produce considering requirements and constraints		10	5	5
	Total		100	50	50

AGR/N4506 Select quality piglets for fattening and managing farm using good husbandry practices	PC1. use appropriate personal protective equipment prior to carrying out the work in line with relevant occupational health & safety guidelines	150	9	4	5
	PC2. assess potential risks related to work and implement relevant safety measures where applicable		9	4	5
	PC3. exercise safe working practices while dealing with sharp tools and construction accessories		6	3	3
	PC4. follow relevant electrical safety practices whenever required		7	4	3
	PC5. implement preventive measures to control the spread of communicable diseases from attendant to animals		8	4	4
	PC6. identify the required type of breeds based on the following characteristics		8	4	4
	PC7. select reliable source for procuring the litters for fattening along with the required information		6	3	3
	PC8. undertake health & fertility examinations of the selected litters with local veterinary practitioner		7	4	3
	PC9. set up and maintain appropriate records as per relevant livestock health & welfare regulations		6	3	3
	PC10. prepare a work plan on farming of fatteners based on the following information		6	3	3
	PC11. ensure that piglets selected for fattening are housed in separate pens for boars and gilts at appropriate age		6	3	3
	PC12. carry out daily inspection of pigs and observe any abnormal behaviour, parasitic infestation and injuries		8	4	4
	PC13. establish favourable dwelling conditions as per standard animal husbandry procedures		6	3	3
	PC14. monitor activities of animals in pens and observe any possible signs of stress and illnesses		9	5	4
	PC15. check that the fatteners are reared in confined dwellings and refrained from scavengings in accordance with standard piggery procedures		6	3	3

	PC16. ensure appropriate hog wallows are provided during high atmospheric temperature depending upon the age and number of pigs		5	3	2
	PC17. remove wastes such as manure/faeces regularly and dispose them appropriately in accordance environmental health & safety guidelines		6	3	3
	PC18. monitor selected fatteners to ensure that following parameters are checked		7	4	3
	PC19. leave the work area in a safe condition after completing work		4	2	2
	PC20. return all tools and equipment in appropriate storage location		4	2	2
	PC21. ensure that various types of records of daily farm activities are maintained in accordance with standard good farm management practices		7	3	4
	PC22. safely dispose wastes materials in line with environmental health & safety guidelines		5	2	3
	PC23. report any work related problems or issues to appropriate personnel in line with relevant regulatory and safety requirements		5	2	3
		Total	150	75	75
AGR/N4505 Prepare nutritive feed and feeding management	PC1. use appropriate personal protective equipment prior to carrying out the work in line with relevant occupational health & safety guidelines	100	5	2	3
	PC2. assess potential risks related to work and implement relevant safety measures where applicable		4	2	2
	PC3. exercise safe working practices while dealing with sharp tools and feeding accessories		4	2	2
	PC4. implement preventive measures to control the spread of communicable diseases from attendant to animals		5	2	3
	PC5. identify the required nutritional needs of pigs based on age, weight and growth pattern in line with relevant BIS standard		4	2	2
	PC6. identify the range of food source rich in required nutrients for feeding pigs		3	2	1
	PC7. seek advice from animal husbandry specialist to identify locally available economic ration for unconventional feeding of pigs		4	2	2

PC8. ensure that commercial mineral mixture such as tota vita gold, lacto vita gold, agrimim forte, swinex & salt are included in recommended proportions i.e. 1-2% in daily feeds	3	2	1
PC9. prepare feeds in accordance with the dietary, medical and production requirements and as per given instructions	5	3	2
PC10. select correct feeding troughs in accordance with age and weight of pigs to meet proper nutritive requirements	5	3	2
PC11. confirm that iron rich diet is included daily diet in recommended proportion to prevent anemia in piglets	5	2	3
PC12. confirm that recommended feeding procedures are complied with while preparing feeds for pigs	6	3	3
PC13. ensure that adequate supply of water is provided and in accordance with prevailing climatic conditions	3	1	2
PC14. provide clean drinking to prevent diseases in pigs	3	1	2
PC15. verify that the feeding area is easily accessible to the pigs	3	2	1
PC16. apply appropriate pest control management procedures in the feeding area	7	4	3
PC17. check that the feeding & water troughs are clean and in good working condition	3	1	2
PC18. check that pigs are fed twice daily based on following information	4	2	2
PC19. comply with appropriate type of feeding techniques as per feeding requirements	6	3	3
PC20. clean the feed storing and preparing facilities regularly and maintain control over rodent attacks & pest infestation	4	2	2
PC21. leave the work area in a safe condition after completing work	2	1	1
PC22. return all tools and equipment in appropriate storage location	2	1	1
PC23. maintain daily records of feedings as per required quality standards	3	1	2
PC24. safely dispose wastes materials in line with environmental health & safety guidelines	3	2	1

	PC25. report any work related problems or issues to appropriate person in accordance with relevant regulatory and safety requirements		4	2	2
		Total	100	50	50
AGR/N4502 Select quality piglets for breeding & welfare management	PC1. use appropriate personal protective equipment prior to carrying out the work in line with relevant occupational health & safety guidelines	120	8	4	4
	PC2. assess potential risks related to work and implement relevant safety measures where applicable		7	4	3
	PC3. exercise safe working practices while dealing with sharp tools and construction accessories		6	3	3
	PC4. follow relevant electrical safety practices whenever required		6	3	3
	PC5. implement preventive measures to control the spread of communicable diseases from attendant to animals		7	4	3
	PC6. obtain tools and materials required for breeding in line with standard husbandry procedures		5	2	3
	PC7. confirm that the selected tools and breeding materials are in working order and safe to handle		4	2	2
	PC8. establish the intended purpose for the breeding programme		8	4	4
	PC9. identify the required type of breeds based on the following characteristics		6	3	3
	PC10. select reliable source for procuring the litters along with the required information		4	2	2
	PC11. undertake health & fertility examinations of the selected litters with local veterinary practitioner if necessary		6	3	3
	PC12. set up and maintain appropriate records as per relevant livestock health & welfare regulations		5	2	3
	PC13. ensure that piglets selected for breeding are housed in separate pens for boars and gilts at appropriate age		6	3	3
	PC14. manage the assessment of the health and behaviour of the potential breeding pigs to confirm that they are suitable to be used		6	3	3

	PC15. carry out daily inspection of pigs and observe any abnormal behaviour, parasitic infestation and injuries		7	3	4
	PC16. establish favourable dwelling conditions as per standard animal husbandry procedures		6	3	3
	PC17. monitor activities of animals in pens and observe for any possible signs of stress and illnesses		6	3	3
	PC18. leave the work area in a safe condition after completing work		4	2	2
	PC19. return all tools and equipment in appropriate storage location		4	2	2
	PC20. safely dispose wastes materials in line with environmental health & safety guidelines		5	3	2
	PC21. report any work related problems or issues to appropriate personnel in line with relevant regulatory and safety requirements		4	2	2
			120	60	60
AGR/N4503 Carry out breeding procedures in well managed conditions	PC1. use appropriate personal protective equipment prior to carrying out the work in line with relevant occupational health & safety guidelines	150	8	4	4
	PC2. assess potential risks related to work and implement relevant safety measures where applicable		6	3	3
	PC3. exercise safe working practices while dealing with sharp tools and construction accessories		5	2	3
	PC4. follow relevant electrical safety practices whenever required		5	2	3
	PC5. implement preventive measures to control the spread of communicable diseases from attendant to animals and vice versa		9	5	4
	PC6. obtain tools and materials required for breeding in line with required standard husbandry procedures		4	2	2
	PC7. confirm that the selected tools and breeding materials are in working order and safe to handle		5	3	2
	PC8. establish the intended purpose for the breeding programme		9	4	5
	PC9. coordinate with others involved how to undertake the work		5	2	3

PC10. set up and maintain appropriate breeding records	6	3	3
PC11. manage the assessment of the health and behaviour of the selected breeding stock to ensure they are suitable to be bred	6	3	3
PC12. verify that selected breeding stock has attained minimum physical requirements such as age, weight, heat detection and estrus cycle	9	5	4
PC13. maintain appropriate ratio of confined pigs (boar & gilts) in a pen for breeding	8	4	4
PC14. conduct pre-mating health checks of selected breeding stocks prior to commencing breeding as per relevant standard husbandry procedures	6	3	3
PC15. confirm that adequate facilities, supplies, equipment, etc. are available to carry out breeding	6	3	3
PC16. apply appropriate breeding techniques in accordance with the defined breeding programme	8	4	4
PC17. exercise safe working practices while performing artificial insemination	6	3	3
PC18. monitor breeding process for any evitable sign of stress or injury in animals as per standard husbandry procedures	8	4	4
PC19. seek and follow specialist such as veterinary practitioner's advice if necessary	6	3	3
PC20. ensure that breeding procedures are carried out in accordance with relevant animal health and welfare guidelines	6	3	3
PC21. leave the work area in a safe condition after completing work	4	2	2
PC22. return all tools and equipment in appropriate storage location	4	2	2
PC23. safely dispose wastes materials in line with environmental health & safety guidelines	6	3	3
PC24. report any work related problems or issues to appropriate authority in accordance with relevant regulatory and safety requirements	5	3	2
	150	75	75
	Percentage Weightage:	50%	50%
	Minimum Pass% to qualify (aggregate):	60%	

