

Form (A)

Please, read all questions carefully and follow these guidelines.

هذا الامتحان يشتمل على ثلاثة اسئلة فى عدد 6 صفحات مختلفة

اجابة السؤال الاول والثانى فى Answer Sheet والثالث فى كراسة الاجابة المخصصة لذلك وكل نقطة بالترتيب

Question I: True or False questions

(Each point 0.25 mark)

Please read all choices carefully and choose only one correct answer:-

- 1- Giving an extra amount of food to sow in the two months prior breeding is called steaming up

a) True b) False
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a) True b) False
- 9- The cows butting and kicking can be prevented by pillory fastening

a) True b) False
- 10 We can use the towel to prevent the biting and scratching in small breed cats

a) True b) False

Question II: Multiple choice questions

(Each point 0.25 mark)

Please read all choices carefully and choose only one correct answer:-

- 1) Chemical signals passed between members of the same species are called.....
- a) Hormones b) Waves
c) Nissel bodies d) Pheromones



- 2) The different kinds of animal communications include.....
- a) Tactile and auditory
 - b) Auditory, visual, tactile and olfactory
 - c) Auditory and visual
 - d) None of the above
- 3) Regurgitation of food by cattle for re-mastication is called.....
- a) Vomiting
 - b) Rumination
 - c) Re-chewing
 - d) Re-swallowing
- 4) What is the first step in the managing a newly born calf?
- a) Licking
 - b) Heating
 - c) Check respiration
 - d) Cut the umbilical cord
- 5) In their first few hours of life, neonates must suckle good quality from the dam to obtain maternal antibodies (immunoglobulins).
- a) Colostrum
 - b) Clostridia
 - c) Protection
 - d) Milk
- 6) The best way to ensure the neonate stay warm enough during the first week is
- a) Barn kept over a heating vent
 - b) Good bedding
 - c) Insulated barn
 - d) Overhead heat lamp
- 7) One of the following is a mismatch:
- a) Monogastric: Stud
 - b) Ruminants: Bulls
 - c) Semi-ruminant: Camel
 - d) Ruminants: Gelds
- 8) The learning to stop the response without thinking (horse at work) is called
- a) Associative learning
 - b) Habituation
 - c) Ethology
 - d) Animal Behavior
- 9) The stallion is.....
- a) Male equine
 - b) Male cattle
 - c) Male sheep
 - d) Mule for mare
- 10) The gestation period for a mare and cow is..... months
- a) 09:11
 - b) 11:09
 - c) 11:05
 - d) 05:09
- 11) The strong relationship between mothers and newborn in all animals arising from licking their newborn is called.....
- a) Sexual Behaviors
 - b) Communication behavior
 - c) Matriarchal behavior
 - d) Social behavior

- 12) We measure body height in animals from.....
a) Weather b) Girth
c) Withers d) Wether
- 13) One of the following is a normal behavior?
a) Kicking b) Holding milk
c) Inter-suckling d) Elimination
- 14) Male cattle that can't reproduce is.....
a) Bull b) Steer
c) Hermaphrodite d) Geld
- 15) Young female cattle that has not borne a calf before is.....
a) Cow b) Mare
c) Heifer d) Queen
- 16) Which of the following is/are considered a meaning of animal welfare?
a) Sufficient space to move about b) Adequate access to water
c) Dry resting site d) Good performance and high productivity
- 17) Beef calves are weaned between of age
a) Four to six months b) 30 to 40 days
c) 2 to 2.5 months d) Four days
- 18) What's the name for a baby horse?
a) Filly foal b) Hinny
c) Colt foal d) Foal
- 19) What's the average post foaling heat for a mare?
a) 9 months and 9 days b) 21 days
c) 9 days d) 3-7 days
- 20) Territoriality reduces the.....
a) Competition b) Communication
c) Learning d) Allelomimetic behavior
- 21) Communication is.....behavior
a) Accomplished only by mammals b) Innate and learned
c) Innate only d) Learned only
- 22) What type of communication is long lasting and works at night?
a) Olfactory b) Visual
c) Auditory d) Tactile



- 23) Animals show parental care to.....
- a) Getting a mate
 - b) Protect territoriality
 - c) Reduce energy in reproduction
 - d) None of the above
- 24) Rolling is a type of..... in the rig.
- a) Defensive behavior
 - b) Courtship behavior
 - c) Foraging behavior
 - d) Body care behavior
- 25) Movement towards the source of stimulation is termed as.....
- a) Kinesis
 - b) Taxis
 - c) Thigmo
 - d) Movement
- 26) Cows spend about hours after eating for chewing their cud each day.
- a) Two
 - b) Four
 - c) Eight
 - d) Six
- 27) Some cows wear pedometers, which can track.....
- a) The cow's overall health
 - b) How much milk the cow gives?
 - c) A and B
 - d) How many steps the cow takes
- 28) Today, it takes less than minutes to hand milk a cow.
- a) Two to three
 - b) Four
 - c) Six to eight
 - d) Ten
- 29) The native color of Ayrshire cow is.....
- a) White and black
 - b) As in Jersey
 - c) Red and white
 - d) Gray and brown
- 30) Which of the following is a dairy breed of cattle?
- a) Brown Swiss
 - b) Ayrshire
 - c) Holstein Friesian
 - d) All of the above
- 31) Which is more resistant to hostile climate?
- a) Brown Swiss
 - b) Ayrshire
 - c) Holstein Friesian
 - d) Native breed
- 32) Fat percentage is more in the milk of.....
- a) Brown Swiss
 - b) Ayrshire
 - c) Holstein Friesian
 - d) Jersey
- 33) Pregnancy period in buffalo-cow is..?
- a) 9 months + 9 days.
 - b) 11 months + 15 days.
 - c) 10months+10days: 9 months + 9 days.
 - d) 10 months + 10 days.



- 34) Calculate the BW of the colt which has Heart Girth 100 cm and her length is 285 cm.
- a) 240 kg
 - b) 180 kg
 - c) 200 kg
 - d) 285 kg
- 35) The number of teats in newly born gilts is.....
- a) Two
 - b) Four
 - c) Eight to ten
 - d) Ten to fourteen
- 36) The method of temporary marking in cattle is/are.....
- a) Tagging
 - b) Tattooing
 - c) Branding
 - d) All of the above
- 37) Pavlov conditioned dogs to salivate upon hearing a ringing bell by repeatedly presenting them with food while ringing a bell. This is an example of.....
- a) Operant conditioning
 - b) Classical conditioning
 - c) Sensitization
 - d) Alternative conditioning
- 38) Which of the following is considered a learning process on how to solve the problems?
- a) Operant conditioning
 - b) Classical conditioning
 - c) Sensitization
 - d) Alternative conditioning
- 39) Visual signals are.....
- a) Short lasting and fast travelling
 - b) Short lasting and slow travelling
 - c) Long lasting and fast travelling
 - d) Long lasting and slow travelling
- 40) Buffalo heifers, most are commonly reaching puberty at the age of.....
- a) 4-6months
 - b) 8-10 months
 - c) 14-18 months
 - d) 24 months
- 41) The ingestive behavior encourages the swallowing of nails, is more in.....than in.....
- a) Heifer - Stud
 - b) Equine - cattle
 - c) Ruminants – semi-ruminants
 - d) Bitch - cow
- 42) The first milk replacer that calf suckle could be shortly held in the.....
- a) Rumen
 - b) Abomasum
 - c) Reticulum
 - d) Intestine
- 43) The removal of all /or parts of the tail from sheep is referred to as.....operation.
- a) Castration
 - b) Tail removal
 - c) Dehorning
 - d) Docking
- 44) The removal of the testicles from a horny ram gives the animal name as.....
- a) Castated
 - b) Spayed
 - c) Dehorned or disbudding
 - d) Docked



- 45) The removal of an ovary from mare gives the animal name as.....
- a) Castrated
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- 46) Breeds of cattle that are used for both milk and meat production are considered to be.....
- a) Dual purpose breeds
 - b) Dairy and working breeds
 - c) Dairy and meat breeds
 - d) Maternal breeds
- 47) Beef cattle or sheep born without horns are commonly referred to as.....animal.
- a) Hornless
 - b) Polled
 - c) Dehorning
 - d) Disbudding
- 48) A method of animal identification that is puncture in the skin of numbers or letters is known as.....
- a) Hot brand
 - b) Freeze brand
 - c) Tattooing
 - d) Ear tag
- 49) If the animal is viewed from front and behind and appeared the same shape; this means.....
- a) Dairy
 - b) Holstein
 - c) Beef
 - d) Saidi
- 50) One of the causes of inter-suckling among calves is
- a) Feeding on hay
 - b) Pail or bucket feeding
 - c) Steaming up
 - d) Short dry period

Question III: Write briefly on the followings:

(10 marks)

- I- How can you increase the milk production in a dairy farm? (4 Marks)
- II- Calculate in liters the amount of colostrum needed for a recent delivered 20 beef calves? (3 Marks)
- III- Mention the role of management to help a recent delivered calf to get rid the meconium? (3 Marks)

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With my best regards Prof. Dr. Tarek Balabel