

Animal Science Reviewer

By Agriculture Review

1. What is the average gestation period of a sow?

- a) 114 days
- b) 150 days
- c) 281 days
- d) 320 days

2. Which of the following is the true stomach of a ruminant animal?

- a) Rumen
- b) Reticulum
- c) Omasum
- d) Abomasum

3. What is the term used to describe the meat of a mature sheep?

- a) Veal
- b) Mutton
- c) Chevron
- d) Lamb

4. Which essential amino acid is typically the most limiting in poultry diets based on corn and soybean meal?

- a) Lysine
- b) Tryptophan
- c) Methionine
- d) Valine

5. What is the act of giving birth in horses called?

- a) Farrowing
- b) Kidding
- c) Calving
- d) Foaling

6. Which dairy cattle breed is renowned for producing milk with the highest butterfat content?

- a) Holstein Friesian
- b) Jersey
- c) Ayrshire
- d) Brown Swiss

7. What is the primary function of the crop in the digestive system of poultry?

- a) Chemical digestion of proteins
- b) Grinding of feed
- c) Storage and moistening of food
- d) Absorption of nutrients

8. Which hormone is primarily responsible for milk let-down in lactating animals?

- a) Prolactin
- b) Estrogen
- c) Oxytocin
- d) Progesterone

9. In the avian reproductive tract, where does fertilization of the ovum take place?

- a) Magnum
- b) Isthmus
- c) Infundibulum
- d) Uterus

10. What is the term for a castrated male pig?

- a) Barrow
- b) Boar
- c) Steer
- d) Wether

11. Which compartment of the ruminant stomach is commonly referred to as the 'honeycomb' due to its inner mucosal lining?

- a) Rumen
- b) Reticulum
- c) Omasum
- d) Abomasum

12. What is the average length of the estrous cycle in a cow?

- a) 14 days
- b) 17 days
- c) 21 days
- d) 28 days

13. Which breed of swine is known for its distinct black color with a white belt encircling the shoulders and front legs?

- a) Duroc
- b) Berkshire
- c) Hampshire
- d) Yorkshire

14. What is the first milk secreted by mammals after parturition, which is rich in antibodies?

- a) Transitional milk
- b) Colostrum
- c) Mastitic milk
- d) Whole milk

15. Which of the following is a fat-soluble vitamin essential for blood coagulation in animals?

- a) Vitamin B12
- b) Vitamin C
- c) Vitamin K
- d) Vitamin A

16. What is the normal body temperature of a healthy mature chicken?

- a) 37.5 °C
- b) 38.5 °C
- c) 39.5 °C
- d) 41.5 °C

17. In animal genetics, what term describes the phenomenon where crossbred offspring outperform their purebred parents?

- a) Inbreeding depression
- b) Epistasis
- c) Heterosis (Hybrid Vigor)
- d) Pleiotropy

18. Which volatile fatty acid (VFA) is the primary precursor for glucose synthesis (gluconeogenesis) in ruminants?

- a) Acetate
- b) Propionate
- c) Butyrate
- d) Lactate

19. What is the term for a sterile female calf born as a twin to a male calf?

- a) Heifer
- b) Freemartin
- c) Springer
- d) Gimmer

20. Which of the following describes the act of laying an egg in poultry?

- a) Ovulation
- b) Parturition
- c) Oviposition
- d) Incubation

21. What mineral is required in the highest amount for laying hens to ensure proper eggshell formation?

- a) Phosphorus
- b) Calcium
- c) Sodium
- d) Zinc

22. Which water buffalo breed is widely recognized as the most outstanding for milk production?

- a) Murrah
- b) Nili-Ravi
- c) Surti
- d) Philippine Carabao

23. What is the primary end-product of nitrogen metabolism excreted by poultry?

- a) Urea
- b) Ammonia
- c) Uric acid
- d) Creatinine

24. What is the term for the process of providing highly digestible and palatable feed to nursing piglets before weaning?

- a) Flushing
- b) Creep feeding
- c) Phase feeding
- d) Ad libitum feeding

25. Which structure in the egg acts as a shock absorber and keeps the yolk centered?

- a) Air cell
- b) Vitelline membrane
- c) Chalazae
- d) Blastoderm

26. Which hormone is critical for the maintenance of pregnancy in livestock?

- a) Estrogen
- b) Luteinizing Hormone (LH)
- c) Progesterone
- d) Testosterone

27. What is the standard diploid chromosome number (2n) of a domestic pig?

- a) 38
- b) 46
- c) 60
- d) 78

28. Iron dextran injections are routinely administered to piglets reared indoors primarily to prevent which condition?

- a) Parakeratosis
- b) Hypoglycemia
- c) Nutritional Anemia
- d) Rickets

29. What is the primary carbohydrate found in mammalian milk?

- a) Glucose
- b) Sucrose
- c) Maltose
- d) Lactose

30. In the ruminant digestive system, which compartment is responsible for the removal of water from the ingesta?

- a) Rumen
- b) Reticulum
- c) Omasum
- d) Abomasum

31. Which of the following is considered a dual-purpose breed of chicken?

- a) White Leghorn
- b) Rhode Island Red
- c) Cornish
- d) Minorca

32. What is the term used to describe the removal of the tail in sheep, a common management practice to prevent myiasis (flystrike)?

- a) Shearing
- b) Castration
- c) Docking
- d) Dehorning

33. Which essential nutrient is synthesized by the rumen microflora, meaning it does not generally need to be supplemented in adult ruminant diets?

- a) Vitamin A
- b) Vitamin E
- c) B-complex vitamins
- d) Vitamin D

34. What is the term for an adult male duck?

- a) Drake
- b) Gander
- c) Tom
- d) Rooster

35. Which viral disease in poultry is characterized by respiratory distress, nervous signs, and high mortality, and is also known as Ranikhet disease?

- a) Marek's Disease
- b) Fowl Pox
- c) Infectious Bursal Disease
- d) Newcastle Disease

36. What is the ideal pH range for the rumen fluid to ensure optimal microbial fermentation?

- a) 3.0 to 4.5
- b) 5.0 to 5.5
- c) 6.0 to 7.0
- d) 7.5 to 8.5

37. What is the act of parturition in goats called?

- a) Kidding
- b) Lambing
- c) Farrowing
- d) Calving

38. Which feed additive is specifically incorporated into poultry rations to control and prevent infection by Eimeria species?

- a) Anthelmintic
- b) Coccidiostat
- c) Probiotic
- d) Ionophore

39. What is the average incubation period for a chicken egg?

- a) 18 days
- b) 21 days
- c) 28 days
- d) 35 days

40. Which of the following feedstuffs is classified as a protein supplement?

- a) Corn grain
- b) Cassava meal
- c) Soybean meal
- d) Rice bran

41. What is the term for a female pig that has not yet farrowed a litter?

- a) Sow
- b) Gilt
- c) Barrow
- d) Boar

42. Which mineral deficiency is the primary cause of grass tetany in grazing cattle?

- a) Calcium
- b) Phosphorus
- c) Magnesium
- d) Copper

43. What is the glandular stomach of the bird called?

- a) Gizzard
- b) Proventriculus
- c) Crop
- d) Cloaca

44. What is the name of the process involving the thermal processing of milk to destroy pathogenic bacteria?

- a) Homogenization
- b) Fermentation
- c) Pasteurization
- d) Sterilization

45. Which of the following represents the highest quality grade of beef according to the standard grading system?

- a) Choice
- b) Select
- c) Standard
- d) Prime

46. A deficiency in which trace mineral leads to goiter (enlargement of the thyroid gland)?

- a) Iron
- b) Selenium
- c) Zinc
- d) Iodine

47. What mating system involves the mating of animals that are more closely related than the average of the breed or population?

- a) Crossbreeding
- b) Outcrossing
- c) Inbreeding
- d) Grading up

48. What is the term for the thick white portion of the egg that surrounds the yolk?

- a) Cuticle
- b) Albumen
- c) Blastodisc
- d) Shell membrane

49. Which structure acts as the common passageway for the digestive, urinary, and reproductive systems in poultry?

- a) Colon
- b) Cecum
- c) Cloaca
- d) Urethra

50. What is the average gestation period of a domestic carabao (water buffalo)?

- a) 283 days
- b) 315 - 320 days
- c) 340 days
- d) 365 days

Answer Key

1. a	14. b	27. a	40. c
2. d	15. c	28. c	41. b
3. b	16. d	29. d	42. c
4. c	17. c	30. c	43. b
5. d	18. b	31. b	44. c
6. b	19. b	32. c	45. d
7. c	20. c	33. c	46. d
8. c	21. b	34. a	47. c
9. c	22. a	35. d	48. b
10. a	23. c	36. c	49. c
11. b	24. b	37. a	50. b
12. c	25. c	38. b	
13. c	26. c	39. b	